OF ILLINOIS
William G. Stratton, Governor
DEPARTMENT OF REGISTRATION AND EDUCATION
Vera M. Binks, Director

1957

# PETROLEUM INDUSTRY IN ILLINOIS IN 1955

## Part I. Oil and Gas Developments

Alfred H. Bell
Virginia Kline

## Part II. Waterflood Operations

Paul A. Witherspoon
Donald A. Pierre



BULLETIN 81

ILLINOIS STATE GEOLOGICAL SURVEY
JOHN C. FRYE, *Chief*
URBANA, ILLINOIS

# PETROLEUM INDUSTRY IN ILLINOIS IN 1955

## Part I. Oil and Gas Developments

Alfred H. Bell
Virginia Kline

## Part II. Waterflood Operations

Paul A. Witherspoon
Donald A. Pierre



ILLINOIS STATE GEOLOGICAL SURVEY BULLETIN 81
Urbana, Illinois 1957

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

STATE OF ILLINOIS
HON. WILLIAM G. STRATTON, *Governor*
DEPARTMENT OF REGISTRATION AND EDUCATION
HON. VERA M. BINKS, *Director*

## BOARD OF NATURAL RESOURCES AND CONSERVATION

HON. VERA M. BINKS, *Chairman*
W. H. NEWHOUSE, PH.D., *Geology*
ROGER ADAMS, PH.D., D.SC., LL.D., *Chemistry*
ROBERT H. ANDERSON, B.S., *Engineering*
A. E. EMERSON, PH.D., *Biology*
LEWIS H. TIFFANY, PH.D., PD.D., *Forestry*
DEAN W. L. EVERITT, E.E., PH.D., *University of Illinois*
PRESIDENT DELYTE W. MORRIS, PH.D., *Southern Illinois University*

## GEOLOGICAL SURVEY DIVISION

JOHN C. FRYE, PH.D., D.SC., *Chief*

(49982—3500—1-57) 2

# STATE GEOLOGICAL SURVEY DIVISION

*Natural Resources Building, Urbana*
JOHN C. FRYE, PH.D., D.SC., *Chief*
M. M. LEIGHTON, PH.D., D.SC., *Chief, Emeritus*
ENID TOWNLEY, M.S., *Geologist and Assistant to the Chief*
VELDA A. MILLARD, *Junior Assistant to the Chief*
HELEN E. MCMORRIS, *Secretary to the Chief*

## RESEARCH

(not including part-time personnel)

## GEOLOGICAL RESOURCES SECTION

ARTHUR BEVAN, PH.D., D.SC., *Principal Geologist, Emeritus*
FRANCES H. ALSTERLUND, A.B., *Research Assistant*

### *Coal*

JACK A. SIMON, M.S., *Geologist and Head*
G. H. CADY, PH.D., *Senior Geologist and Head, Emeritus*
ROBERT M. KOSANKE, PH.D., *Geologist*
RAYMOND SIEVER, PH.D., *Geologist* (on leave)
JOHN A. HARRISON, M.S., *Associate Geologist*
PAUL EDWIN POTTER, PH.D., *Associate Geologist*
WILLIAM H. SMITH, M.S., *Associate Geologist*
KENNETH E. CLEGG, M.S., *Assistant Geologist*
MARGARET A. PARKER, M.S., *Assistant Geologist*
DAVID L. REINERTSEN, A.M., *Assistant Geologist*
MARCIA R. WINSLOW, M.SC., *Assistant Geologist*

### *Oil and Gas*

A. H. BELL, PH.D., *Geologist and Head*
VIRGINIA KLINE, PH.D., *Associate Geologist*
LESTER L. WHITING, B.A., *Associate Geologist*
WAYNE F. MEENTS, *Associate Geological Engineer*
MARGARET O. OROS, B.A., *Assistant Geologist*
JACOB VAN DEN BERG, M.S., *Assistant Geologist*
JAMES H. GARRETT, B.S., *Research Assistant*
JUTTA I. ANDERSON, *Technical Assistant*

### *Petroleum Engineering*

PAUL A. WITHERSPOON, M.S., *Petroleum Engineer and Head*

### *Industrial Minerals*

J. E. LAMAR, B.S., *Geologist and Head*
DONALD L. GRAF, PH.D., *Geologist*
JAMES C. BRADBURY, A.M., *Associate Geologist*
JAMES W. BAXTER, M.S., *Assistant Geologist*
MEREDITH E. OSTROM, M.S., *Assistant Geologist*

### *Clay Resources and Clay Mineral Technology*

RALPH E. GRIM, PH.D., *Consulting Clay Mineralogist*
W. ARTHUR WHITE, PH.D., *Geologist*
HERBERT D. GLASS, PH.D., *Associate Geologist*

### *Groundwater Geology and Geophysical Exploration*

GEORGE B. MAXEY, PH.D., *Geologist and Head*
MERLYN B. BUHLE, M.S., *Geologist*
ROBERT E. BERGSTROM, PH.D., *Associate Geologist*
JAMES E. HACKETT, M.S., *Associate Geologist*
PAUL W. HUGHES, M.S., *Assistant Geologist*
JOHN P. KEMPTON, M.A., *Assistant Geologist*
WAYNE A. PRYOR, M.S., *Assistant Geologist* (on leave)
LIDIA SELKREGG, D.NAT.SCI., *Assistant Geologist*
MARGARET J. CASTLE, *Assistant Geologic Draftsman* (on leave)
ROBERT C. PARKS, *Technical Assistant*

### *Stratigraphy and Areal Geology*

H. B. WILLMAN, PH.D., *Geologist and Head*
ELWOOD ATHERTON, PH.D., *Geologist*
DAVID H. SWANN, PH.D., *Geologist*
CHARLES W. COLLINSON, PH.D., *Associate Geologist*
T. C. BUSCHBACH, M.S., *Assistant Geologist*
F. L. DOYLE, M.S., *Assistant Geologist*
ROBERT W. FRAME, *Supervisory Technical Assistant*
ROMAYNE S. ZIROLI, *Technical Assistant*
JOSEPH F. HOWARD, *Assistant*
CAROL L. WOOD, *Assistant*

### *Engineering Geology and Topographic Mapping*

GEORGE E. EKBLAW, PH.D., *Geologist and Head*
WILLIAM C. SMITH, M.A., *Assistant Geologist*

### *Physics*

R. J. PIERSOL, PH.D., *Physicist, Emeritus*

## GEOCHEMISTRY SECTION

FRANK H. REED, PH.D., *Chief Chemist*
GRACE C. FINGER, B.S., *Research Assistant*

### *Coal Chemistry*

G. R. YOHE, PH.D., *Chemist and Head*
THOMAS P. MAHER, B.S., *Special Assistant Chemist*
EARLE C. SMITH, B.S., *Research Assistant*

### *Fluorine Chemistry*

G. C. FINGER, PH.D., *Chemist and Head*
LAWRENCE D. STARR, PH.D., *Associate Chemist*
RICHARD H. SHILEY, B.S., *Special Research Assistant*
RAYMOND H. WHITE, B.S., *Special Research Assistant*

### *Chemical Engineering*

H. W. JACKMAN, M.S.E., *Chemical Engineer and Head*
R. J. HELFINSTINE, M.S., *Mechanical Engineer and Supervisor of Physical Plant*
B. J. GREENWOOD, B.S., *Mechanical Engineer*
ROBERT L. EISSLER, M.S., *Assistant Chemical Engineer*
JAMES C. MCCULLOUGH, *Research Associate* (on leave)
WALTER E. COOPER, *Technical Assistant*
CORNEL MARTA, *Technical Assistant*
EDWARD A. SCHAEDE, *Technical Assistant*

### *Analytical Chemistry*

O. W. REES, PH.D., *Chemist and Head*
L. D. MCVICKER, B.S., *Chemist*
EMILE D. PIERRON, M.S., *Associate Chemist*
WILLIAM J. ARMON, M.S., *Assistant Chemist*
FRANCES A. COOLICAN, B.S., *Assistant Chemist*
DONALD R. DICKERSON, B.S., *Assistant Chemist*
CHARLES T. ALLBRIGHT, B.S., *Research Assistant* (on leave)
JOAN M. CEDERSTRAND, *Research Assistant*
SALLY K. DILLER, B.A., *Research Assistant*
JOSEPH M. HARRIS, B.A., *Research Assistant*
RAYMOND A. NAPIWOCKI, *Research Assistant*
JOANNE K. WILKEN, B.A., *Research Assistant*
GEORGE R. JAMES, *Technical Assistant*

### *Physical Chemistry*

J. S. MACHIN, PH.D., *Chemist and Head*
JUANITA WITTERS, M.S., *Assistant Physicist*
DANIEL L. DEADMORE, M.S., *Assistant Chemist*
KOZO NAGASHIMA, PH.D., *Special Assistant Chemist*
PAUL E. MCMAHON, M.S., *Research Assistant*

### *X-Ray*

W. F. BRADLEY, PH.D., *Chemist and Head*

## EDUCATIONAL EXTENSION

GEORGE M. WILSON, M.S., *Geologist and Head*
SHIRLEY FAHLSING, *Assistant Geologic Draftsman*
SHIRLEY TRUEBLOOD, B.S., *Research Assistant*

## MINERAL ECONOMICS SECTION

W. H. VOSKUIL, PH.D., *Mineral Economist*
W. L. BUSCH, A.B., *Assistant Mineral Economist*
ETHEL M. KING, *Research Assistant*
JOANN MUNNIS, *Technical Assistant*

## GENERAL ADMINISTRATION
(not including part-time personnel)

### PUBLICATIONS

Dorothy E. Rose, B.S., *Technical Editor*
Meredith M. Calkins, *Geologic Draftsman*
Nancy Rosenwinkel, *Assistant Geologic Draftsman*
Donna R. Wilson, *Assistant Geologic Draftsman*

### GENERAL SCIENTIFIC INFORMATION

Genevieve Van Heyningen, *Technical Assistant*
Marian L. Wingard, *Technical Assistant*

### LIBRARY

Olive B. Ruehe, B.S., *Geological Librarian*

### MINERAL RESOURCE RECORDS

Vivian Gordon, *Head*
Sandra Mynlieff, B.A., *Research Assistant*
Sue J. Cunningham, *Technical Assistant*
Hannah Fisher, *Technical Assistant*
Jane T. Hill, B.A., *Technical Assistant*
Yvonne Hoppenstedt, *Technical Assistant*
Margery J. Miller, B.A., *Technical Assistant*
Rosemary H. Reinarts, B.A., *Technical Assistant*
Helen Ross, B.A., *Technical Assistant*
Elizabeth Speer, *Technical Assistant*
Joan R. Younker, *Technical Assistant*

### TECHNICAL RECORDS

Berenice Reed, *Supervisory Technical Assistant*
Miriam Hatch, *Technical Assistant*

### OTHER TECHNICAL SERVICES

Wm. Dale Farris, *Research Associate*
Beulah M. Unfer, *Technical Assistant*
A. W. Gotstein, *Research Associate*
Glenn G. Poor, *Research Associate**
Gilbert L. Tinberg, *Technical Assistant*
Wayne W. Nofftz, *Supervisory Technical Assistant*
Donovon M. Watkins, *Technical Assistant*
Mary Cecil, *Supervisory Technical Assistant*
Ruby D. Frison, *Technical Assistant*
Malathi A. Rao, M.A., M.A., *Technical Assistant*

*Divided time

December 20, 1955.

### FINANCIAL RECORDS

Velda A. Millard, In Charge
Virginia C. Sanderson, B.S., *Clerk-Typist III*
Irma E. Samson, *Clerk-Typist II*
Patricia A. Northrup, *Clerk-Typist I*

### CLERICAL SERVICES

Mary M. Sullivan, *Clerk-Stenographer III*
Lyla Nofftz, *Clerk-Stenographer II*
Lillian Weakley, *Clerk-Stenographer II*
Virginia Champion, *Clerk-Stenographer I*
Dorothy A. Ledbetter, *Clerk-Stenographer I*
Marilyn Scott, *Clerk-Stenographer I*
Laurel F. Griffin, *Clerk-Typist I*
Marion L. Kenney, *Clerk-Typist I*
William L. Mathis, *Messenger-Clerk II*
Lorene G. Wilson, *Messenger-Clerk I*

### AUTOMOTIVE SERVICE

Glenn G. Poor, In Charge*
David B. Cooley, *Automotive Mechanic*
Everette Edwards, *Automotive Mechanic* (on leave)
Robert O. Ellis, *Automotive Mechanic*

---

### RESEARCH AFFILIATES IN GEOLOGY

J Harlen Bretz, Ph.D., *University of Chicago*
John A. Brophy, M.S., *Assistant Geologist, State Geol. Survey*
Stanley E. Harris, Jr., Ph.D., *Southern Illinois University*
M. M. Leighton, Ph.D., D.Sc., *Research Professional Scientist, State Geol. Survey*
A. Byron Leonard, Ph.D., *University of Kansas*
Paul R. Shaffer, Ph.D., *University of Illinois*
Harold R. Wanless, Ph.D., *University of Illinois*

---

### CONSULTANTS

*Geology:* George W. White, Ph.D., *University of Illinois*
Ralph E. Grim, Ph.D., *University of Illinois*
*Mechanical Engineering:* Seichi Konzo, M.S., *University of Illinois*

---

Topographic Mapping in Cooperation with the United States Geological Survey

# CONTENTS

## PART I.—OIL AND GAS DEVELOPMENTS



## PART II.—WATERFLOOD OPERATIONS



# ILLUSTRATIONS

## TABLES

# PETROLEUM INDUSTRY IN ILLINOIS, 1955

## PART I

## OIL AND GAS DEVELOPMENTS

ALFRED H. BELL and VIRGINIA KLINE


### ABSTRACT

Illinois produced 81,131,000 barrels of oil in 1955, an increase of 21 percent over the 1954 total, marking the second consecutive year of increased production after a 13-year decline. Increased secondary recovery by waterflooding, a high rate of drilling, high initial productions of some new wells, and widespread use of hydraulic fracture treatment of wells, were contributing factors. The 3,885 wells completed in 1955 represent an increase of about 20 percent in drilling over that of 1954. Fifty-five percent were successful completions. Thirty-two new oil pools, three gas pools, 85 extensions, and 36 new pays were discovered in 1955.

The greatest activity was in southeastern Illinois. Details of production and development are discussed by counties, with special attention to noteworthy areas. Reserves are estimated at 701.3 million barrels.


### INTRODUCTION

An account of developments in the oil and gas industry in Illinois during 1955, which appeared in brief in "Statistics of Oil and Gas Development and Production," issued annually by the American Institute of Mining, Metallurgical, and Petroleum Engineers, is herein expanded to provide a more detailed discussion of the Illinois petroleum industry. Developments are discussed by county, with special attention given to noteworthy areas.

We gratefully acknowledge the cooperation of the many oil companies and individuals who contributed the basic data for this report. The section on estimated petroleum reserves was prepared by Lester L. Whiting and Margaret Oros of the Illinois State Geological Survey's Oil and Gas Division; that on gas and gas products by Whiting and Wayne F. Meents of the same division; that on secondary recovery by Paul A. Witherspoon of the Petroleum Engineering Division; and that on the oil-producing strata of Illinois by D. H. Swann of the Stratigraphy and Areal Geology Division. Jacob Van Den Berg and Kenneth R. Larson, both of the Survey staff, also assisted in preparing the report.

### PRODUCTION AND VALUE

Oil production in Illinois in 1955 increased to 81,131,000 barrels, 21 percent more than in 1954. Peak production was attained in 1940, after which production gradually declined, reaching a low of 59,025,000 barrels in 1953. In 1954 the trend was reversed. A 13.4 percent increase was shown in that year, followed by the 21 percent increase in 1955 (fig. 1 and table 1).

An analysis of production figures for counties reporting big production gains shows two major factors involved. The first of these, secondary recovery by waterflooding, is alone responsible for the combined increase of 3,677,000 barrels of oil reported by Fayette and Marion counties in spite of a de crease in drilling in those counties. Water flooding was especially successful in the Louden and Salem Consolidated pools.

The second factor, increased drilling, showed up in the statistics of seven other counties (Bond, Christian, Gallatin, Hamilton, Jasper, Lawrence, and Saline) where increases in production ranging from approximately ½ million to 3¼ million barrels added an additional 8¼ million barrels to their production. Six of the seven counties had exceptionally heavy drilling in 1955, with large numbers of new producing wells.

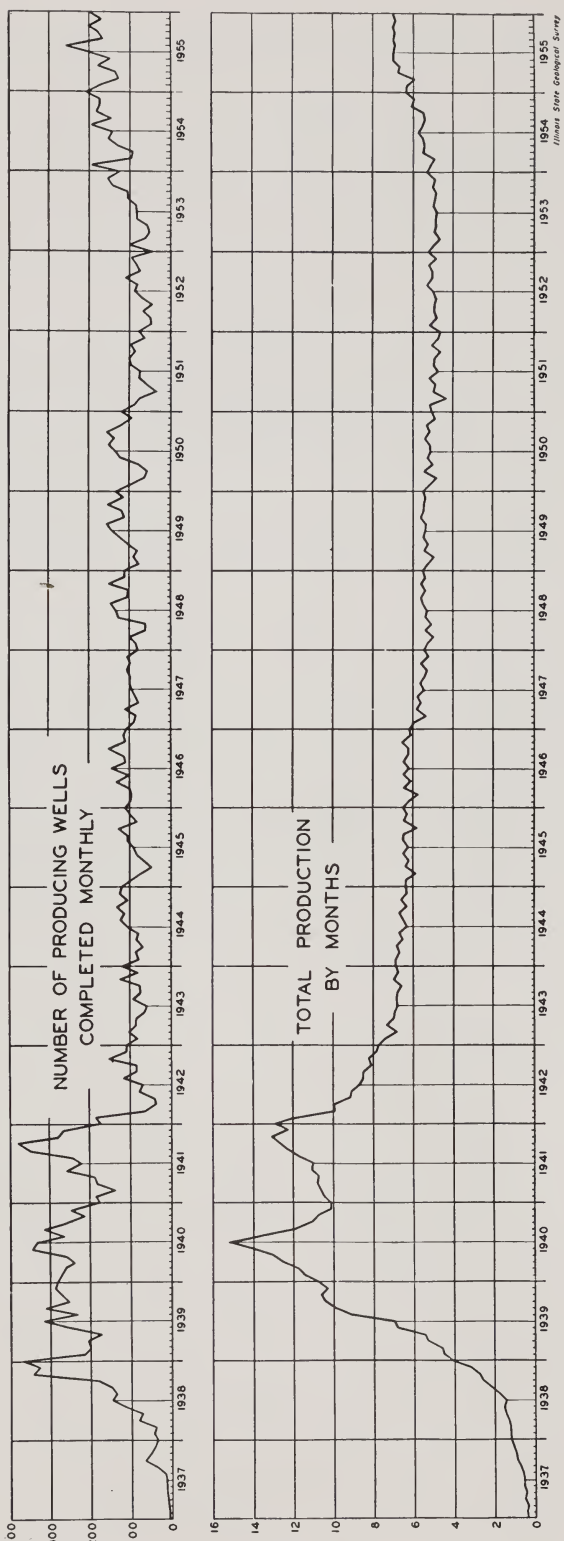



FIG. 1.—Oil production in Illinois, 1937-1955.

TABLE 1.—ILLINOIS COMPLETIONS AND PRODUCTION SINCE JANUARY 1, 1936

| Year | Number of completions[a] | Number of producing wells | Production (M bbls.) | | |
|---|---|---|---|---|---|
| | | | New fields | Old fields[b] | Total[c] |
| 1936 | 93 | 52 | | | 4,445 |
| 1937 | 449 | 292 | 2,884 | 4,542 | 7,426 |
| 1938 | 2,536 | 2,010 | 19,771 | 4,304 | 24,075 |
| 1939 | 3,617 | 2,970 | 90,908 | 4,004 | 94,912 |
| 1940 | 3,755 | 3,080 | 142,969 | 4,678 | 147,647 |
| 1941 | 3,807 | 2,925 | 128,993 | 5,145 | 134,138 |
| 1942 | 2,017 | 1,179 | 101,837 | 4,753 | 106,590 |
| 1943 | 1,791 | 1,090(20)[d] | 77,581 | 4,675 | 82,256 |
| 1944 | 1,991 | 1,229(12) | 72,946 | 4,467 | 77,413 |
| 1945 | 1,763 | 1,094(15) | 70,839 | 4,371 | 75,210 |
| 1946 | 2,362 | 1,387(17) | 70,174 | 5,123 | 75,297 |
| 1947 | 2,046 | 1,102(22) | 61,455 | 5,004 | 66,459 |
| 1948 | 2,489 | 1,316(21) | 59,623 | 5,185 | 64,808 |
| 1949 | 2,741 | 1,447(32) | 58,571 | 5,930 | 64,501 |
| 1950 | 2,894 | 1,328(23) | 55,794 | 6,234 | 62,028 |
| 1951 | 2,383 | 947(23) | 54,147 | 6,097 | 60,244 |
| 1952 | 2,077 | 854(35) | 53,727 | 6,344 | 60,071 |
| 1953 | 2,161 | 1,161(88) | 51,924 | 7,101 | 59,025 |
| 1954 | 3,254 | 1,896(107) | 59,130 | 7,810 | 66,940 |
| 1955 | | | | | |
| January | 303 | 174(2) | 5,596 | 678 | 6,274 |
| February | 240 | 129 | 5,277 | 638 | 5,915 |
| March | 233 | 135(4) | 6,011 | 738 | 6,749 |
| April | 305 | 182(7) | 5,893 | 733 | 6,626 |
| May | 254 | 148(4) | 6,236 | 742 | 6,978 |
| June | 357 | 208(8) | 6,215 | 761 | 6,976 |
| July | 426 | 263(12) | 6,106 | 805 | 6,911 |
| August | 316 | 170(5) | 6,194 | 776 | 6,970 |
| September | 351 | 180(5) | 6,111 | 810 | 6,921 |
| October | 378 | 200(7) | 6,199 | 783 | 6,982 |
| November | 318 | 175(3) | 5,948 | 800 | 6,748 |
| December | 404 | 200(5) | 6,230 | 851 | 7,081 |
| | 3,885 | 2,164(62) | 72,016 | 9,115 | 81,131 |

[a]Includes only oil and gas producers and dry holes.
[b]Includes Devonian production at Bartelso and Sandoval.
[c]From the U. S. Bureau of Mines through 1951; 1952 through 1955 from Illinois Basin Scout Association Pipe Line Production Report.
[d]Figures in parentheses refer to number of producing wells included in total that previously had been completed as dry holes.

The seventh county, Christian, had important development in 1954, resulting in the 1955 production increase.

The number of well completions in Illinois in 1955 was about 80 percent higher than in 1953 and was the second highest in Illinois history, being exceeded only in 1907 when 4,988 wells were completed. Many of the wells had exceptionally high initial productions. Several areas of Aux Vases sandstone production were opened up where many wells had initial productions of more than 500 barrels per day. In the Eldorado Consolidated pool, where a prolific Waltersburg sandstone lens was discovered near the end of 1954, wells drilled in 1955 had initial productions up to 4,500 barrels per day.

Hydraulic fracture treatment was still commonly used in well completion and in 1955 was important in maintaining the rate of production.

In 1954 production from new wells was believed to have nearly balanced the decline in production of older wells still on primary production, and waterflooding and hydraulic fracturing were credited with the increased production. In 1955, in counties with secondary recovery and a normal rate of drilling, the production rate remained about the same as in 1954, except in Fayette and Ma-

TABLE 2.—SUMMARY OF DRILLING AND INITIAL PRODUCTION BY COUNTIES, 1955[a]

| County | Number of wells drilled | | | | | | Total initial production | | Footage drilled | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total completions | Total producing | | Total dry holes | | | | | | |
| | | Oil | Gas | In pools | Wildcat near[b] | Wildcat far[c] | Oil (bbls.) | Gas (MMcf.) | Producing wells | Total |
| Adams | 2 | 0 | 1 | 0 | 0 | 1 | 0 | .875 | 458 | 1,331 |
| Bond | 163 | 90 | 2 | 35 | 20 | 16 | 15,474 | 1.922 | 127,997 | 230,758 |
| Cass | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 383 |
| Champaign | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1,808 |
| Christian | 95 | 43 | 0 | 20 | 13 | 19 | 8,341 | 0 | 79,213 | 179,715 |
| Clark | 67 | 33 | 0 | 26 | 6 | 2 | 2,241 | 0 | 30,515 | 63,564 |
| Clay | 199 | 113 | 0 | 57 | 27 | 2 | 7,305 | 0 | 311,195 | 572,976 |
| Clinton | 93 | 31 | 2 | 18 | 27 | 15 | 4,230 | 2.980 | 61,423 | 170,120 |
| Coles | 49 | 22 | 4 | 13 | 8 | 2 | 4,865 | 36.988 | 46,343 | 79,846 |
| Crawford | 233 | 133 | 1 | 84 | 10 | 5 | 6,492 | 2.000 | 168,255 | 332,974 |
| Cumberland | 10 | 0 | 0 | 3 | 5 | 2 | 0 | 0 | 0 | 14,897 |
| Douglas | 12 | 1 | 0 | 2 | 5 | 4 | 8 | 0 | 395 | 12,190 |
| Edgar | 23 | 2 | 1 | 5 | 6 | 9 | 60 | 0.014 | 1,320 | 17,838 |
| Edwards | 84 | 43 | 0 | 29 | 12 | 0 | 6,114 | 0 | 132,489 | 266,941 |
| Effingham | 58 | 24 | 0 | 22 | 7 | 5 | 1,428 | 0 | 59,791 | 146,428 |
| Fayette | 18 | 4 | 0 | 6 | 4 | 4 | 32 | 0 | 6,475 | 34,228 |
| Franklin | 53 | 28 | 0 | 12 | 7 | 6 | 5,124 | 0 | 82,836 | 161,870 |
| Fulton | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 765 |
| Gallatin | 200 | 118 | 0 | 55 | 20 | 7 | 11,150 | 0 | 301,073 | 539,669 |
| Hamilton | 191 | 110 | 0 | 58 | 18 | 5 | 30,355 | 0 | 355,679 | 624,315 |
| Hancock | 3 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 1,970 |
| Hardin | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1,501 |
| Iroquois | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1,901 |
| Jackson | 5 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 8,276 |
| Jasper | 165 | 117 | 0 | 30 | 14 | 4 | 16,995 | 0 | 357,237 | 502,580 |
| Jefferson | 85 | 43 | 0 | 27 | 9 | 6 | 3,233 | 0 | 102,595 | 207,557 |
| Jersey | 4 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 3,269 |
| Johnson | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 4,470 |
| Kankakee | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3,416 |
| Lawrence | 255 | 175 | 0 | 63 | 16 | 1 | 9,004 | 0 | 297,766 | 427,975 |
| Livingston | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 365 |
| Logan | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1,291 |
| McDonough | 12 | 2 | 0 | 3 | 1 | 6 | 7 | 0 | 978 | 7,573 |
| Macon | 17 | 1 | 0 | 4 | 4 | 8 | 9 | 0 | 2,300 | 37,323 |
| Macoupin | 19 | 0 | 0 | 7 | 5 | 7 | 0 | 0 | 0 | 26,889 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Madison | 34 | 4 | 0 | 15 | 8 | 7 | 48 | 0 | 2,235 | 21,317 |
| Marion | 92 | 52 | 0 | 21 | 12 | 7 | 4,942 | 0 | 130,883 | 232,484 |
| Mercer | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1,920 |
| Monroe | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2,768 |
| Montgomery | 15 | 0 | 0 | 4 | 2 | 9 | 0 | 0 | 0 | 18,539 |
| Morgan | 7 | 0 | 1 | 3 | 0 | 3 | 0 | 1.124 | 318 | 3,367 |
| Moultrie | 9 | 4 | 0 | 2 | 0 | 3 | 109 | 0 | 9,317 | 23,039 |
| Perry | 13 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 22,652 |
| Piatt | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2,420 |
| Pike | 10 | 0 | 5 | 0 | 0 | 5 | 0 | 12.053 | 2,332 | 6,090 |
| Pope | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 800 |
| Randolph | 10 | 3 | 0 | 0 | 2 | 5 | 303 | 0 | 6,168 | 18,647 |
| Richland | 113 | 78 | 0 | 26 | 9 | 0 | 7,316 | 0 | 223,837 | 337,216 |
| St. Clair | 16 | 1 | 0 | 1 | 0 | 14 | 8 | 0 | 411 | 23,658 |
| Saline | 355 | 192 | 1 | 87 | 53 | 22 | 80,475 | 1.000 | 455,601 | 925,890 |
| Sangamon | 49 | 7 | 0 | 9 | 17 | 16 | 1,021 | 0 | 12,144 | 85,449 |
| Schuyler | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2,623 |
| Shelby | 4 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 8,715 |
| Union | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 621 |
| Vermilion | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1,539 |
| Wabash | 144 | 73 | 0 | 61 | 10 | 0 | 5,970 | 0 | 153,825 | 322,700 |
| Washington | 131 | 67 | 0 | 27 | 26 | 11 | 3,696 | 0 | 96,816 | 211,360 |
| Wayne | 252 | 166 | 0 | 65 | 17 | 4 | 19,748 | 0 | 525,901 | 818,864 |
| White | 478 | 304 | 0 | 142 | 28 | 4 | 35,123 | 0 | 879,503 | 1,440,340 |
| Williamson | 15 | 0 | 0 | 1 | 0 | 14 | 0 | 0 | 0 | 40,191 |
| Total | 3,885 | 2,084 | 18 | 1,047 | 429 | 307 | 291,226 | 58.954 | 5,025,624 | 9,262,181 |

[a]Does not include input wells, salt water disposal wells, or old wells worked over.
[b]Wells drilled between one-half mile and two miles from production.
[c]Wells drilled more than two miles from production.

rion counties, which showed an increase in production. Counties and pools with big increases in drilling had increases in production amounting to about three-fourths of the total increase for the state.

Illinois continued to rank eighth in oil production in the United States in 1955, although it moved into seventh place several times for short intervals. Daily average production increased throughout the first six months, and then leveled off as shown in the following summary by months:

| *Month* | *Barrels* |
|---|---|
| January | 202,000 |
| February | 211,000 |
| March | 218,000 |
| April | 221,000 |
| May | 225,000 |
| June | 233,000 |
| July | 223,000 |
| August | 225,000 |
| September | 231,000 |
| October | 225,000 |
| November | 225,000 |
| December | 228,000 |

At the beginning of 1955, most crude oil in Illinois was selling at $2.95 a barrel. In March there was a price reduction of 5 cents per barrel. In October the price was increased to $3.00, remaining at that figure throughout the remainder of the year. Value (at the wells) of crude oil produced in 1955 was about $238,000,000. To this should be added the value of natural gasoline and liquefied petroleum gas extracted from Illinois natural gas, estimated at $4,500,000, making a total of $242,500,000.

## DRILLING AND DEVELOPMENT

A total of 3,885* wells were drilled for oil and gas in Illinois in 1955 (tables 1 and 2), an increase of about 20 percent over the 3,254 wells drilled during 1954. Of the 3,885 wells completed, 2,084 were oil wells and 18 were shut-in gas wells. This is about the same percentage (55 percent) of successful completions as in 1954. In 1952 only 38 percent were successful.

There were 1,047 dry holes in pools, and 736 unsuccessful wildcats in 1955. The percentage of wildcat wells drilled showed a slight increase to 22 compared with 21 in 1954, but still was considerably below the 1952 figure of 32 percent.

### Pool Development

Wells were drilled for oil or gas in 60 counties in 1955; 59 counties reported wildcat wells, but only 42 had pool wells. Over a third of all drilling was concentrated in four counties. White County, with 478 wells drilled, remained in first place. Saline County, ranking second with 355 completions, showed the biggest increase in drilling of any county. It had never previously placed among the half dozen most active counties. Lawrence County also recorded a big increase in drilling to place third.

One of the biggest decreases in drilling was in Wayne County, which dropped to fourth place after several years of being either first or second. Clay and Wabash counties also recorded major decreases in drilling in contrast to the increase for the entire state.

The first successful wells ever drilled in Douglas and Adams counties were completed during the year. A small oil well completed in Douglas County was the discovery well of the Murdock pool, and a shut-in gas well was drilled in Adams County in the Fishhook gas pool; the rest of the pool is in Pike County.

During 1953 and 1954, drilling in the state moved northward. One of the outstanding developments of this period was in the Decatur-Mt. Auburn-Springfield area. Exploration in the Macon-Christian-Sangamon County area continued into 1955, and five new pools were discovered, four in Christian County and one in Sangamon County. Only one of these, Kincaid South, appeared promising. Results of drilling were disappointing, and the rate of drilling decreased within a few months so that Macon and Christian counties had only about half as many completions in 1955 as in 1954. Sangamon, Moultrie, and Douglas counties showed big increases in drilling but with unsatisfactory results.

At the end of 1955, development had begun in three northern areas that showed promise. In Christian County the Kincaid South pool, discovered in November 1955,

*Well-completion figures are based on reports received through the Illinois Basin Scout Association. An undetermined number of additional wells were completed in the old fields of Clark, Crawford, Lawrence, and adjoining counties, for the most part in waterflood areas.

had 10 producing wells completed and others drilling. The producing wells were scattered over an area of almost a square mile, and there were no dry holes.

In Coles County the Cooks Mills pool was discovered in 1941 and Cooks Mills North in 1946, but both were abandoned. In 1954, however, Cooks Mills East was discovered, and in 1955 Cooks Mills Gas. By the end of 1955 oil and gas wells were scattered throughout an area about 3½ miles long by 1 mile wide, and development was progressing rapidly. Most of the gas was in the Cypress sandstone and the oil in the Rosiclare.

The third northern area was around Oak Point in Clark County. The Oak Point pool was discovered in 1952 and almost immediately abandoned as a one-well Pennsylvanian sandstone pool. In 1955 Aux Vases sandstone production was discovered in the Oak Point pool, followed by discovery of the Oak Point West pool, and by the end of the year a big development program was in progress.

On the western side of the Illinois basin, attempts to extend Devonian-Silurian production southward from Christian County resulted in four new Devonian or Silurian pools in Bond and Washington counties and opened up good Devonian sandstone extensions to the Sorento and Woburn Consolidated pools. Both pools previously had had smaller Devonian wells. Results of the search for deep production in Bond, Clinton, and Washington counties were promising enough to warrant continuing exploratory drilling in 1956.

Most important event of the year was the development in the Eldorado area on the southern edge of the basin. This is discussed in detail below.

Within the deeper part of the basin the most important development was the discovery and drilling of a Salem limestone pay in the Jasper County portion of the Clay City Consolidated pool. About 50 good Salem wells were completed, most of them on leases already producing from the Rosiclare or McClosky.

Pools having the greatest number of producing wells completed during the year were Clay City Consolidated with 336, Lawrence with 157, Eldorado with 151, and Main Consolidated with 119.

Depth of producing wells drilled during 1955 varied from about 400 feet to about 4,000 feet, with an average depth of 2,320 feet. Average depth of all wells drilled in 1955 was 2,385 feet.

In fields discovered since January 1, 1937, 21,290 wells were producing oil or gas at the end of 1955; in older fields the number was approximately 9,175. Illinois thus had about 30,460 wells producing at the end of 1955.

### Eldorado Area

The Eldorado pool was discovered in 1941 north of the town of Eldorado in northernmost Saline County. Two producing wells were completed in 1941, one in the Aux Vases sandstone and one in the McClosky limestone. The McClosky well was later opened up in the Tar Springs sandstone.

A third well was drilled in 1950, adding a fourth pay, the Palestine, to the pool. Annual production from 1941 through 1952 was between 1,000 and 3,000 barrels.

In 1953 a period of exploration and drilling began that culminated late in 1955. Fifteen wells were drilled in 1953, all of them north of the town of Eldorado. Production, all of which was from the Hardinsburg and Aux Vases sandstones, increased to 92,000 barrels for the year. East of the town, the Eldorado East pool was discovered, and at the end of 1953 it had three Aux Vases wells and had produced 14,000 barrels of oil.

In 1954 the Eldorado Central pool was discovered in the Beulah Heights area on the west side of the town of Eldorado. The Eldorado and Eldorado Central pools grew together rapidly and were consolidated before the end of the year.

The Eldorado North pool also was discovered in 1954 about three miles northeast of town, and four small wells were completed in the Waltersburg sandstone. Several small Waltersburg wells also were drilled on the southeast edge of the northward-trending Eldorado Consolidated pool.

In December 1954 two 1,100-barrel Waltersburg wells were completed, one in the eastern part of town and the other about halfway between town and the Eldorado North pool.

The combined 1954 production of Eldorado Consolidated and Eldorado North was 463,000 barrels. By the end of the year 55 producing wells had been completed in the two pools.

During the early part of 1955, drilling was concentrated in the area between the town of Eldorado and the Eldorado North pool, which was soon joined to Eldorado Consolidated. Most of the wells produced from a Waltersburg sandstone lens that trends west-southwest and is about four miles long, three-fourths of a mile in maximum width, and in places more than 50 feet thick. Oil or gas wells drilled in the Waltersburg totaled 122.

Twenty-seven wells were completed in other pays, most of them in the northward-trending older part of Eldorado Consolidated, and a few along the edges of the Waltersburg lens. Eight other pays produce in the pool. Next to the Waltersburg, the Aux Vases pay produces in the most wells of the Eldorado Consolidated pool. The other producing pays in the pool include the Palestine, Tar Springs, Cypress, Paint Creek, Ohara, Rosiclare, and McClosky.

The Waltersburg lens in the Eldorado Consolidated pool is a gas-cap pool. The first wells drilled had very high gas-oil ratios. Early in March 1955 about 55,000,000 cubic feet of gas was being produced daily, almost all of which was flared. Gas production declined rapidly, and by the end of 1955 it was down to about 10,000,000 cubic feet per day.

Variations in initial production of oil wells in the Eldorado Consolidated pool were great; although some of the wells were small, many produced more than 500 barrels daily, and the best one was reported as having made 4,500 barrels initially. The Eldorado Consolidated pool reached its peak production of about 20,000 barrels per day in May. Production for 1955 was 3,523,000 barrels, compared with a total of 551,000 barrels for the previous 14 years.

In the Eldorado area the first half of 1955 was primarily a period of pool development drilling, the second half one of exploratory drilling. The Waltersburg lens is a southwest extension of the previously discovered Waltersburg production area in the Roland Consolidated pool, about a mile west of Omaha in the Gallatin County part of the pool. Much of the exploratory drilling in 1955 was "trend" drilling, attempting to discover a possible westward continuation of the Waltersburg sandstone from Roland Consolidated through Eldorado Consolidated into untested areas. In July two new pools were discovered, in August one pool, in September three, and in December two. In addition to these eight new pools, oil was discovered in the one-well Harrisburg gas pool, and eight Waltersburg and one Tar Springs oil wells were drilled before the end of 1955. All production, old and new, in the Eldorado area is from Mississippian formations.

By the end of 1955, the Waltersburg sandstone lens of the Eldorado Consolidated pool was drilled up. Only two of the new pools, Harco East and Raleigh South, promised to be better than two- or three-well pools. Drilling in the area dropped off and production declined as the high initial production of wells drilled in the spring leveled off into settled production. Production and drilling rates in 1956, although continuing higher than normal in the Eldorado area, should be much lower than in 1955.

### Exploratory Drilling and Discoveries

Wildcat wells were drilled in 59 counties in 1955; new pools were discovered in 19. Eight of the new pools are in Saline County, four in Christian, and four in Washington.

Of the 3,885 wells drilled in 1955, 846, or about 21.8 percent, were wildcats. The 324 wildcat wells drilled more than 2 miles from production (table 3) discovered 17 new pools, or 1 in 19 successful (5.2 percent). All of these 17 new pools, however, appear to

be very small. The 522 wildcats drilled less than 2 miles from production discovered 15 new pools and 78 extensions to pools, or were about one in 5½ (17.8 percent) successful. Three new pools and seven extensions were discovered by reworking wildcat wells that previously had been completed as dry holes. None of the 10 workover wells was deepened.

Table 3.—Wildcat Wells Drilled in 1955

| | Number | Producers | Percentage successful |
|---|---|---|---|
| Wildcat near[a] | 522 | 93 | 17.8 |
| Wildcat far[b] | 324 | 17 | 5.2 |
| Total | 846 | 110* | 13.0 |

[a]From ½ to 2 miles from production.
[b]More than two miles from production.
*Three of the discovery wells listed in table 4 and seven of those in table 5 originally were completed as dry holes and later worked over.

Thirty-two new oil and three new gas pools (table 4 and fig. 2), 85 extensions to pools (table 5), and 36 new pays in pools in 34 wells (table 6) were discovered during 1955. One new pool, Cooks Mills Gas, was lost during the year by consolidation with Cooks Mills Consolidated. In the remaining 34 new pools, seven nonoperated gas wells and 65 oil wells had been completed by the end of the year. Twelve of the oil wells were in Exchange East, largest of the new pools. Kincaid South, which was not discovered until November, had 10 wells by the end of December and seemed to be best of the 1955 pools. The Fishhook Gas pool had six shut-in gas wells and Raleigh South had six oil wells. The other new pools had from one to three wells each.

It was noted in 1954 that most of the new pools were around the margins of the producing area. Most of the 1955 new pool discoveries also are marginal, showing the influence of 1954 discoveries and development. Nine, or one-fourth, of the new pools are in Saline and Gallatin counties around the Eldorado Consolidated pool. To the northwest, five new pools in Christian and Sangamon counties are the result of exploration around the Mt. Auburn–Edinburg West area, development of which was the outstanding feature of 1954 drilling.

Four of the new pools lie along the northeast margin, including Murdock, the first Douglas County pool. On the east edge of the producing area, Lawrence County had two new pools, and on the west, Washington, Bond, Madison, and St. Clair counties had seven. Pike County, even more remote, had one gas discovery. Only a half dozen new pools were within the highly productive area of the state.

Two new pools, Murdock in Douglas County and Redmon North Gas in Edgar County, produce from the Pennsylvanian. Each is a one-well pool.

Ten new oil pools and one gas pool, all lying in a western belt extending from Christian through Washington County, produce from the Silurian or Devonian. Twelve pools produce from upper Mississippian sandstone, and 10 from the lower Mississippian.

One well in the Louden pool was deepened to the Trenton limestone and is producing a little oil. No other new Trenton production was discovered during the year.

One 1955 well in the Gays pool (Moultrie County) was completed in the Aux Vases and Devonian, the Devonian being a new pay in the pool. The remaining 34 new pays are Mississippian in age.

Unsuccessful Trenton tests were made in the Sorento, Carlinville, and Okawville pools. A selected list of important unsuccessful deep tests and wildcats is given in table 7. One shallow wildcat in Union County is listed because it was reported as having the first good oil show in the county.

No gravity meter or magnetometer work was done in Illinois in 1955. Data on geophysical and core-drilling crews operating throughout the year, by months and methods, is given in table 8.

A generalized geologic column for the southern Illinois oil region, indicating principal producing strata, is shown in figure 3.

Table 4.—Discovery Wells of New Pools, 1955

| Pool | County | Company and farm | Location | Total depth (ft.) | Producing formation | Depth to top (ft.) | Initial production[a] (bbls.) | Date of completion | No. wells producing in pool 12/31/55 |
|---|---|---|---|---|---|---|---|---|---|
| Albion Central | Edwards | J. J. Oslager #1 P. Potter | 4–2S–10E | 3384 | Ohara | 3314 | 62 | 12–31 | 3 |
| Boulder East | Clinton | Hamil Oil #1 Wortman | 27–3N–1W | 2856 | Devonian | 2850 | 260 | 11–15 | 1 |
| Centerville Northeast | White | G. S. Engle #1 Casebier | 19–3S–10E | 3381; PB 3070 | Bethel | 3053 | 15; 50 | 12–6 | 1 |
| Cooks Mills Gas[b] | Coles | M. & E. Drlg. Co. #1 W. Young | 26–14N–7E | 1840; PB 1620 | Cypress | 1609 | 7,748,000 cu. ft. | 7–5 | [b] |
| Cottage Grove | Saline | J. Stelle & Assoc. #1 M. Fox | 10–9S–7E | 2977; PB 2800 | Ohara | 2769 | 60 | 8–30 | 1 |
| Edinburg South | Christian | L. G. Ewart #1 N. C. Davis | 26–14N–3W | 1809 | Hibbard (Dev.) | 1796 | 85 | 12–8 | 1 |
| Elba | Gallatin | Ervin Drlg. Co. #1 H. L. Logan | 22–8S–8E | 2803; PB 2700 | Bethel | 2660 | 30; 50 | 7–19 | 3 |
| Eldorado West | Saline | Shure Oil #1 J. C. Baker | 14–8S–6E | 2991; PB 2968 | Aux Vases | 2950 | 90; 80 | 9–13 | 2 |
| Elkton | Washington | O. Minton #1 J. Palek | 32–2S–4W | 2408 | Devonian | 2364 | 6; 2 | 3–8 | 2 |
| Exchange East | Marion | Union Contract. #1 E. F. Hawkins | 29–1N–4E | 2919 | McClosky | 2908 | 100 | 1–11 | 12 |
| Fishhook | Pike | W. Vette #1 K. Layne | 30–3S–4W | 462 | Silurian | 435 | 1,140,000 cu. ft. | 4–11 | 6 |
| Francis Mills South | Saline | C. W. Scott #1 O. Carter | 32–7S–7E | 3150; PB 3030 | Ohara | 3011 | 164 | 12–13 | 1 |
| Freeburg South | St. Clair | A. W. Cherry #2 E. Behrens | 33–1S–7W | 411 | Cypress | 384 | 8; 11 | 8–2 | 1 |
| Glenarm | Sangamon | R. W. Schneider et al. #1 J. Warrington | 24–14N–5W | 1720; PB 1695 | Silurian | 1653 | 11; 15 | 6–21 | 1 |
| Harco East | Saline | Sun Oil #1 G. O. Upton | 25–8S–5E | 3031; PB 3000 | Ohara | 2882 | 120 | 9–20 | 2 |
| Harrisburg South | Saline | E. E. Goad #2 F. P. Parker | 15–9S–6E | 2352 | Cypress | 2301 | 5; 25 | 12–6 | 1 |
| Hoyleton West | Washington | W. Duncan #1 Ben Huck | 16–1S–2W | 2965; PB 2915 | Devonian | 2894 | 6; 30 | 6–7 | 1 |
| Iuka West | Marion | R. Fletcher #1 G. Blankenship | 13–2N–3E | 2801; PB 2710 | McClosky | 2697 | 7 | 10–11 | 1 |
| Kincaid | Christian | L. McElmurray #1 G. B. Hibbard | 3–13N–3W | 1805 | Hibbard (Dev.) | 1782 | 502 | 6–21 | 1 |
| Kincaid South | Christian | J. F. Hinkle #1 Blackstock Est. | 15–13N–3W | 1826 | Hibbard (Dev.) | 1816 | 416 | 11–1 | 10 |
| Long Branch South | Saline | T. R. Lindsay #1 S. J. Turner | 4–8S–6E | 3210; PB 2700 | Cypress | 2660 | 42; 1 | 9–27 | 1 |
| Mitchellsville | Saline | Sunray #5 Sisk | 15–10S–6E | 2452; PB 1550 | Waltersburg | 1504 | 40 | 7–12 | 2 |
| Murdock | Douglas | Gallatin Drlg. Co. #1 John Wagner | 26–16N–10E | 395 | Pennsylvanian | 372 | 8 | 11–1 | 1 |
| Oak Point West | Clark | Partlow & Cochonour #1 F. Partlow | 19–9N–14W | 1247; PB 1206 | Aux Vases | 1192 | 33; 65 | 11–15 | 1 |
| Okawville North | Washington | Sun Oil #1 A. Duerkob | 3–1S–4W | 2262 | Silurian | 2234 | 125 | 7–12 | 1 |
| Pinkstaff East | Lawrence | Nat'l. Assoc. Pet. #1 E. Carter | 10–4N–11W | 1644 | McClosky | 1638 | 17; 45 | 12–31 | 1 |
| Posen South | Washington | G. Zicos #1 L. Dalman | 27–3S–2W | 1266 | Benoist | 1253 | 48 | 12–31 | 1 |
| Raleigh South | Saline | C. E. O'Neal #1 Wettaw | 20–8S–6E | 3087; PB 2865 | Aux Vases | 2852 | 240 | 7–26 | 6 |
| Redmon North | Edgar | W. W. Henigman #1 A. C. North | 15–14N–13W | 450 | Pennsylvanian | 327 | 14,200 cu. ft. | 10–18 | 1 |
| Russellville West | Lawrence | W. A. Warren et al. #1 Stevenson | 36–5N–11W | 1646; PB 1593 | Rosiclare | 1564 | 25; 200 | 10–11 | 1 |
| St. Jacob East | Madison | T. S. Doran et al. #1 Leder | 12–3N–6W | 2600; PB 1860 | Sylamore | 1842 | 12; 30 | 8–2 | 1 |
| Samsville Northwest | Edwards | Skiles #1 L. Bunting "A" | 24–1N–10E | 3248; PB 3210 | Ohara | 3190 | 98 | 1–18 | 1 |
| Stubblefield South | Bond | C. E. Hoiles #1 Schmollinger | 6–4N–3W | 992 | Cypress | 987 | 8; 5 | 9–13 | 1 |
| Tovey | Christian | Pollack & Pollack #1 Strawkas | 6–13N–3W | 1881; PB 1870 | Silurian | 1852 | 105 | 11–22 | 1 |
| Wakefield South | Richland | J. W. Rudy #1 Armstrong | 27–5N–9E | 3059 | McClosky | 3040 | 4; 5 | 10–11 | 1 |

[a]Oil and water.
[b]Included in Cooks Mills Consolidated.

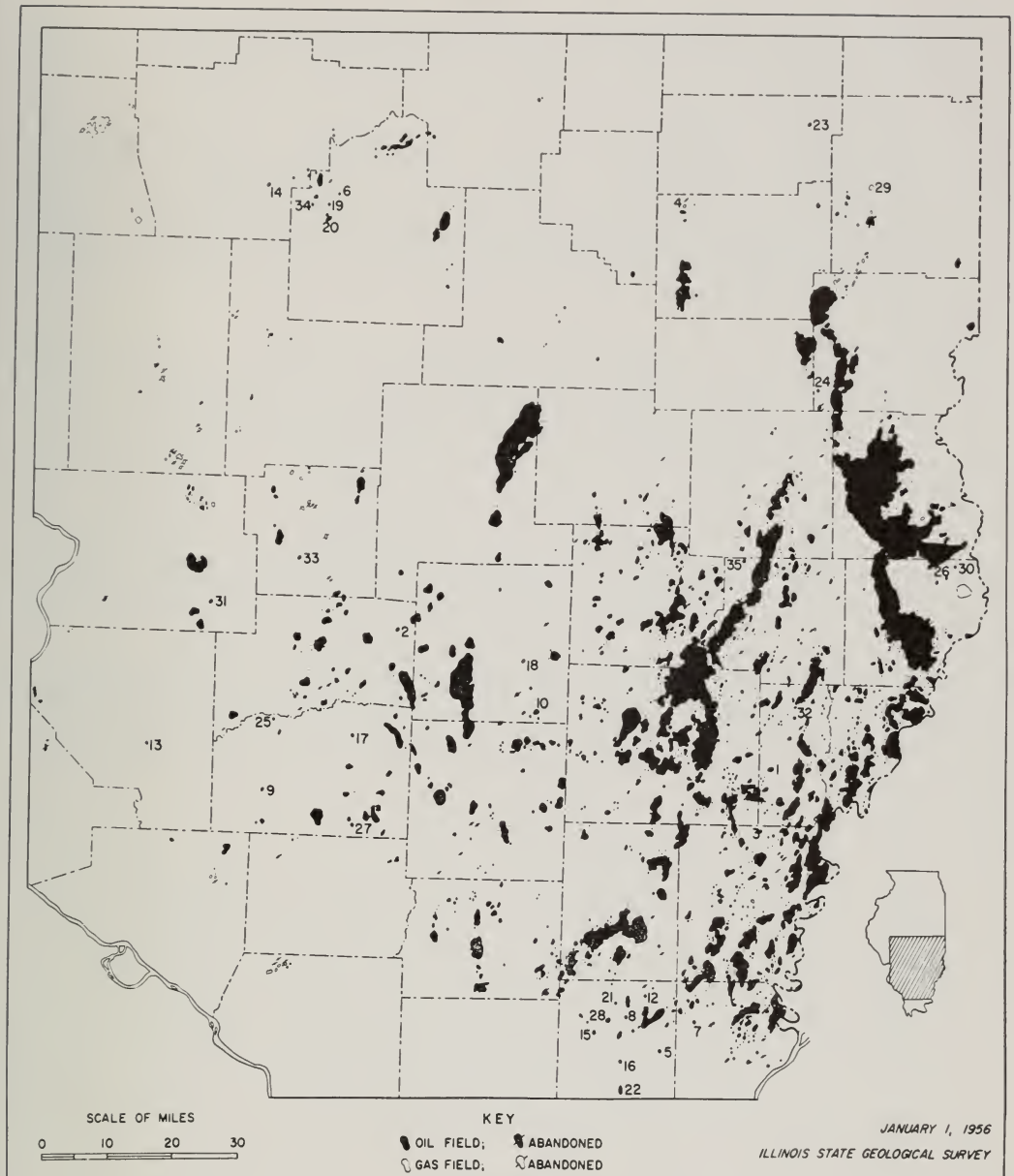



FIG. 2.—Oil pools discovered in Illinois, 1955.

1. Albion Central
2. Boulder East
3. Centerville Northeast
4. Cooks Mills Gas
5. Cottage Grove
6. Edinburg South
7. Elba
8. Eldorado West
9. Elkton
10. Exchange East
11. Fishhook
12. Francis Mills South
13. Freeburg South
14. Glenarm
15. Harco East
16. Harrisburg South
17. Hoyleton West
18. Iuka West
19. Kincaid
20. Kincaid South
21. Long Branch South
22. Mitchellsville
23. Murdock
24. Oak Point West
25. Okawville North
26. Pinkstaff East
27. Posen South
28. Raleigh South
29. Redmon North
30. Russellville West
31. St. Jacob East
32. Samsville Northwest
33. Stubblefield South
34. Tovey
35. Wakefield South

TABLE 5.—DISCOVERY WELLS OF EXTENSIONS TO POOLS, 1955

| Pool | County | Company and farm | Location | Total depth (ft.) | Producing formation | Depth to top (ft.) | Initial production[a] (bbls.) | Date of completion |
|---|---|---|---|---|---|---|---|---|
| Albion East | Edwards | Herndon Drlg. #1 L. Broster | 28–2S–14W | 2,998 | Renault | 2,922 | 48 | 12–31 |
| Beaver Creek South | Clinton | E. J. Goldschmidt #1 Dixon | 6–3N–2W | 1,149; PB 1,040 | Cypress | 1,005 | 5; 1.900 MMcf | 9–27 |
| Bone Gap Consol. | Edwards | D. Baines #1 Colyer | 11–1S–10E | 3,358; PB 3,325 | Rosiclare | 3,314 | 35; 160 | 9–20 |
| Cantrell Consol.[b] | Saline | Collins Bros. #1 P. Jones | 19–7S–5E | 3,284 | McClosky | 3,274 | 46; 19 | 5–3 |
| Cantrell Consol.[b] | Saline | C. E. Brehm #1 Gill Comm. | 30–7S–5E | 3,201; PB 3,180 | Aux Vases | 3,148 | 300 | 7–5 |
| Clay City Consol. | Clay | Aurora Gasoline #1 Kimpling | 36–4N–8E | 3,162 | McClosky | 3,042 | 26; 18 | 12–13 |
| Clay City Consol. | Clay | Partlow & Cochonour #1 West Duff | 18–3N–8E | 3,040 | Aux Vases; McClosky | 2,908 3,023 | 86; 30 | 12–20 |
| Clay City Consol. | Jasper | Athene Devel. #1 St. Marie Catholic Church | 27–6N–10E | 2,925 | St. Louis | 2,857 | 43 | 12–20 |
| Clay City Consol. | Jasper | M. L. Van Fossan #1 R. Danforth et al. | 9–5N–10E | 2,823 | Rosiclare | 2,805 | 94 | 7–5 |
| Clay City Consol. | Richland | J. W. Rudy #1 J. E. Stiff | 34–5N–10E | 2,939 | Rosiclare; McClosky | 2,920; 2,932 | 33 | 8–9 |
| Clay City Consol. | Wayne | J. M. Roberts #1 L. E. Cockrun | 15–2S–8E | 3,242 | Aux Vases | 3,204 | 220; 10 | 8–16 |
| Cooks Mills Consol. | Coles | W. R. & D. Kuykendall #1 E. H. Mercer | 34–14N–7E | 1,844 | McClosky | 1,838 | 35 | 9–27 |
| Cooks Mills East | Coles | H. Sanders #1 Harshbarger | 30–14N–8E | 1,855; PB 1,831 | Rosiclare | 1,815 | 20; 24 | 10–25 |
| Dale Consol. | Hamilton | O. D. Sharp #1 Johnson | 17–6S–6E | 3,299; PB 3,170 | Aux Vases | 3,129 | 30; 100 | 11–15 |
| Dale Consol. | Hamilton | Herndon Drlg. #1 McPeak | 16–6S–7E | 3,324; PB 3,116 | Aux Vases | 3,104 | 8; 90 | 10–18 |
| Dale Consol. | Saline | I. White #1 Williams | 30–7S–5E | 3,200; PB 3,150 | Aux Vases | 3,129 | 85; 20 | 12–13 |
| Divide | Jefferson | J. F. Dunnill #1 J. Ellis | 25–1S–3E | 2,852 | McClosky; St. Louis | 2,752; 2,834 | 56 | 8–23 |
| Dubois | Washington | J. Wagner #1 Labuda | 18–3S–1W | 1,241 | Cypress | 1,230 | 55 | 8–30 |
| Edinburg West | Sangamon | Kaybee Oil #2 M. Williams | 12–14N–4W | 1,714 | Silurian | 1,665 | 192 | 10–11 |
| Edinburg West | Sangamon | O. Krachik #2 N. A. Smith | 12–14N–4W | 1,831; PB 1,752 | Hibbard | 1,707 | 204; 10 | 7–26 |
| Edinburg West | Christian | A. Valter #1 W. Hobbs | 7–14N–3W | 1,780; PB 1,729 | Silurian | 1,705 | 7; 2 | 5–3 |
| Eldorado Consol. | Saline | L. K. Billings #1 Morris | 18–8S–7E | 2,292; PB 2,030 | Palestine | 1,998 | 90 | 8–30 |
| Eldorado Consol. | Saline | Superior Oil #2 R. G. Thomas | 25–8S–6E | 3,021; PB 2,090 | Waltersburg | 2,083 | 22; 33 | 7–12 |
| Eldorado Consol. | Saline | H. Van Dresser #1 H. Bramlet, Sr. | 19–8S–7E | 3,005; PB 2,500 | Waltersburg | 2,055 | 1; 5.000 MMcf | 7–12 |
| Eldorado Consol. | Saline | Keystone Oil #1 F. E. Bramlet | 25–8S–6E | 2,895 | Ohara; Rosiclare | 2,862; 2,886 | 27; 6 | 10–18 |
| Eldorado Consol. | Saline | Edens & Saltink #1 Carter-Smith Comm. | 17–8S–7E | 2,237 | Tar Springs | 2,229 | 200; 20 | 5–10 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Eldorado North[e] | Saline | R. W. Portis #1 Lassater | 15–8S–7E | 2,637; PB 2,244 | Waltersburg | 2,118 | 720 | 1–18 |
| Ellery Consol. | Wayne | Calvert #1 M. D. Carter | 22–2S–9E | 3,370; PB 3,257 | Aux Vases | 3,202 | 289 | 1–18 |
| Ellery Consol. | Edwards | Cullum & Lawhead #1 N. Horn | 20–2S–10E | 3,348; PB 3,225 | Aux Vases | 3,181 | 180; 20 | 6–14 |
| Ellery East | Edwards | Pyre Oil #1 Horton | 28–2S–10E | 3,951; PB 3,213 | Aux Vases | 3,167 | 106; 144 | 11–1 |
| Epworth Consol. | White | Calvert #1 F. L. Calvert | 20–5S–10E | 3,240; PB 3,144 | Rosiclare | 3,110 | 25; 46 | 11–15 |
| Exchange East | Marion | Perrine & Perrine #1 A. Sager | 33–1N–4E | 2,847 | Rosiclare | 2,841 | 180; 10 | 12–8 |
| Exchange East | Marion | Gulf Refining #1 R. Meador | 29–1N–4E | 2,948; PB 2,927 | Ohara | 2,774 | 106 | 3–22 |
| Exchange North | Marion | R. Fletcher #1 Venorsky | 6–1N–4E | 2,723 | McClosky | 2,714 | 2; 25 | 12–13 |
| Fishhook | Adams | W. Walden #1 Kennedy | 36–3S–5W | 458 | Silurian | 438 | .857 MMcf | 12–6 |
| Fishhook | Pike | C. M. Faulkner #1 Whittaker | 28–3S–4W | 465 | Silurian | 460 | 2.975 MMcf | 11–8 |
| Fishhook | Pike | A. W. Neal #1 Crump | 32–3S–4W | 430 | Silurian | 429 | .280 MMcf | 11–8 |
| Fishhook | Pike | W. Walden #1 Fox | 29–3S–4W | 813; PB 550 | Silurian | 505 | 3.164 MMcf | 7–19 |
| Gays | Moultrie | Pure Oil #1 Waggoner Consol. | 22–12N–6E | 3,305; PB 1,996 | Aux Vases | 1,962 | 48; 58 | 1–11 |
| Half Moon | Wayne | Skiles #1 V. Haines et al. | 26–1S–9E | 3,346; PB 3,300 | Ohara | 3,281 | 205 | 6–21 |
| Harco | Saline | Delwood Oil #1 Lewis | 15–8S–5E | 3,061; PB 2,887 | Aux Vases | 2,853 | 200 | 12–13 |
| Harrisburg | Saline | Don Foote #1 May Comm. Unit | 34–8S–6E | 2,147; PB 2,075 | Waltersburg | 2,045 | 112 | 4–26 |
| Herald Consol. | Gallatin | Hoskins-Ward #1 Armstrong-Dagley Comm. | 19–7S–10E | 2,271 | Tar Springs | 2,254 | 18 | 8–30 |
| Herald Consol. | Gallatin | Collins #1 Hale | 24–7S–9E | 2,315 | Tar Springs | 2,302 | 136 | 7–19 |
| Herald Consol. | Gallatin | Texas #1 M. Sanders | 30–7S–10E | 2,985; PB 2,838 | Aux Vases | 2,812 | 20; 19 | 10–4 |
| Herald Consol. | Gallatin | Clark & Clark #1 G. Edwards | 25–7S–9E | 2,926 | Aux Vases | 2,894 | 25 | 11–8 |
| Herald Consol. | White | Southern Oil Devel. #1 H. G. Pearce | 29–6S–9E | 3,220; PB 2,971 | Bethel | 2,899 | 100; 110 | 6–7 |
| Herald Consol. | White | Herndon #1 J. Sparrow | 17–7S–10E | 2,984; PB 2,850 | Aux Vases | 2,810 | 3 | 11–15 |
| Hill East | Effingham | Partlow & Cochonour #1 A. M. Woody | 12–6N–6E | 2,825; PB 2,480 | Cypress | 2,459 | 25; 40 | 1–25 |
| Hill East | Effingham | Reiss & Coslett #1 Gaddey | 1–6N–6E | 2,468 | Cypress | 2,459 | 126; 10 | 4–5 |
| Hill East | Effingham | Partlow & Cochonour #1 Richars | 13–6N–6E | 2,471 | Cypress | 2,463 | 80; 125 | 5–24 |
| Huey South | Clinton | Schiermann & Imming #1 Park Comm. | 31–2N–2W | 2,605; PB 1,050 | Cypress | 1,015 | 23 | 12–13 |
| Inman West Consol. | Gallatin | First Nat'l. Pet. Trust #1 Moye | 3–8S–9E | 2,935; PB 2,890 | Aux Vases | 2,868 | 114 | 8–16 |
| Iola Consol. | Clay | A. A. Richey #1 Gen. Am. Life Ins. Co. | 13–5N–5E | 2,453; PB 2,430 | Rosiclare | 2,420 | 513 | 5–31 |
| Irvington East | Jefferson | L. Kapp #1 Hays | 31–1S–1E | 1,990 | Benoist | 1,969 | 5; 80 | 8–23 |
| Johnsonville North | Wayne | Sun Drlg. #1 C. C. Howe | 3–1N–6E | 3,314; PB 3,265 | Rosiclare | 3,212 | 95; 30 | 8–23 |
| Johnsonville West | Wayne | E. E. Spencer #1 H. Henson | 14–1N–5E | 3,069; PB 2,970 | Ohara | 2,958 | 78; 4 | 9–13 |
| Junction | Gallatin | Skiles Oil #1 Peeples | 10–9S–9E | 2,818 | Cypress; McClosky | 2,342; 2,732 | 22; 16 | 11–29 |
| Junction North | Gallatin | G. S. Engle #1 E. Maloney | 35–8S–9E | 2,983; PB 2,875 | Rosiclare | 2,865 | 88; 14 | 4–26 |
| Main Consol. | Crawford | R. Lowry #1 Duncan | 4–5N–11W | 938 | Pennsylvanian | 926 | 75; 19 | 8–30 |
| Main Consol. | Crawford | J. G. Beard #1 Schaffner | 21–8N–13W | 1,353; PB 807 | Pennsylvanian | 754 | 10; 5 | 8–30 |

TABLE 5.—(Continued)

| Pool | County | Company and farm | Location | Total depth (ft.) | Producing formation | Depth to top (ft.) | Initial production[a] (bbls.) | Date of completion |
|---|---|---|---|---|---|---|---|---|
| Main Consol. | Crawford | W. Montgomery #1 Dart et al. | 1–6N–14W | 1,943 | McClosky | 1,936 | 50; 2 | 7–12 |
| Mattoon | Coles | Partlow & Cochonour #1 Scott | 6–11N–8E | 1,901 | Cypress | 1,893 | 11 | 9–27 |
| Mitchellsville | Saline | W. W. Misener #1 T. Svers | 3–10S–6E | 2,376; PB 1,350 | Degonia | 1,328 | 25; 10 | 10–25 |
| Mt. Auburn Consol. | Christian | E. Gallagher #1 C. R. Osbern "A" | 10–15N–1W | 1,882 | Silurian | 1,860 | 38; 17 | 1–25 |
| Oak Point | Clark | M & E Drlg. #1 Flint | 31–9N–14W | 1,609; PB 1,208 | Aux Vases | 1,191 | 70; 15 | 9–6 |
| Old Ripley | Bond | Paul Andrews #1 D. Wall | 16–5N–4W | 788 | Pennsylvanian | 774 | 10; 12 | 4–12 |
| Olney Consol. | Richland | Athene Devel. #1 W. S. Jennings | 16–4N–10E | 3,018 | McClosky | 3,010 | 90 | 12–6 |
| Omaha | Gallatin | Atlas Drlg. #1 G. West | 28–7S–8E | 2,942; PB 2,770 | Aux Vases | 2,740 | 21 | 4–26 |
| Omaha East | Gallatin | C. L. Lauderdale #1 H. Rogers | 1–8S–8E | 2,937; PB 2,860 | Aux Vases | 2,790 | 37 | 9–20 |
| Omaha South | Saline | Nat'l. Assoc. Pet. #1 E. Woolard | 12–8S–7E | 3,010; PB 2,895 | Aux Vases | 2,871 | 36; 22 | 4–26 |
| Passport South | Clay | Cullum & Lawhead #1 Jorgenson | 13–4N–8E | 3,692; PB 3,046 | McClosky | 3,030 | 38; 26 | 6–7 |
| Phillipstown Consol. | Edwards | C. C. Beebe #1 Millar | 7–3S–14W | 3,135; PB 3,105 | Rosiclare | 3,098 | 135 | 7–26 |
| Phillipstown Consol. | Edwards | New Illinois-Mid Continent #1 V. Jacobs | 8–3S–14W | 3,226; PB 3,190 | Aux Vases; Rosiclare | 3,076<br>3,164 | 105; 15 | 12–20 |
| Ridgway | Gallatin | W. C. Heppard #1 Kanady et al. | 24–8S–8E | 1,760 | Palestine | 1,730 | 20; 40 | 6–28 |
| Sailor Springs Consol. | Clay | W. Duncan #1 Gould Hrs. Comm. | 15–5N–7E | 2,526 | Cypress | 2,500 | 39 | 8–9 |
| Sailor Springs Consol. | Clay | Shulman Bros. #1 Duff | 7–3N–8E | 3,002 | Rosiclare | 2,998 | 15; 450 | 1–25 |
| Sailor Springs East | Clay | T. R. Lindsay #1 Anderson-Payne Unit | 28–4N–8E | 3,032 | McClosky | 3,021 | 40 | 8–16 |
| Shawneetown East | Gallatin | Vandenbark-McGuire #1 Hall-Clayton | 22–9S–10E | 2,727; PB 2,525 | Bethel | 2,481 | 23; 48 | 1–11 |
| Shawneetown East | Gallatin | Vandenbark-McGuire #1 Wiederhold | 28–9S–10E | 2,730; PB 1,870 | Waltersburg | 1,856 | 5; 15 | 5–17 |
| Shawneetown North | Gallatin | Sun Oil #1 L. Miller | 7–9S–10E | 2,764 | Aux Vases | 2,751 | 33 | 6–28 |
| Thackeray | Hamilton | Calstar Pet. #1 W. B. Stephens | 16–5S–7E | 3,055 | Cypress | 3,028 | 30 | 7–5 |
| Thompsonville East | Franklin | C. E. Brehm #1 Pulverman et al. | 11–7S–4E | 3,376; PB 3,230 | Aux Vases | 3,199 | 170 | 12–13 |
| Toliver East | Clay | Texas #1 Willison | 25–5N–6E | 2,965; PB 2,540 | Cypress | 2,512 | 6; 13 | 11–8 |
| Woburn Consol. | Bond | Hoiles Pet. #1 Folkers-Nobbe | 27–7N–2W | 2,400; PB 2,380 | Devonian | 2,341 | 35 | 12–20 |

[a]Oil and water.
[b]Now included in Dale Consol.
[c]Now included in Eldorado Consol.

Table 6.—Discovery Wells of New Producing Zones in Pools, 1955

| Pool | County | Company and farm | Location | Total depth (ft.) | Producing formation | Depth to top (ft.) | Initial production[a] (bbls.) | Date of completion |
|---|---|---|---|---|---|---|---|---|
| Cooks Mills | Coles | W. R. & D. Kuykendall #1 E. H. Mercer | 34-14N-7E | 1,844 | McClosky | 1,838 | 35 | 9-27 |
| Cooks Mills East | Coles | H. C. Sanders #1 Holliday | 25-14N-7E | 1,850; PB 1,800 | Aux Vases | 1,739 | 20; 7[b] | 3-1 |
| Divide | Jefferson | J. F. Dunnill #1 J. Ellis | 25-1S-3E | 2,852 | St. Louis | 2,834 | 56[b] | 8-23 |
| Dubois Central | Washington | Ohio Oil #1 Dubois Comm. | 33-3S-1W | 1,551; PB 1,360 | Benoist | 1,334 | 14; 100 | 7-12 |
| Elba | Gallatin | Ervin Drlg. #2 H. L. Logan | 22-8S-8E | 2,840 | Ohara | 2,825 | 80; 20 | 12-6 |
| Eldorado North[c] | Saline | W. C. McBride #1 E. Glascock | 10-8S-7E | 2,583 | Cypress | 2,573 | 280 | 3-29 |
| Eldorado North[c] | Saline | W. C. McBride #1 G. Boscarine | 10-8S-7E | 2,608; PB 2,240 | Tar Springs | 2,223 | 20; 130 | 3-29 |
| Eldorado West | Saline | Shure Oil #1 J. C. Baker | 14-8S-6E | 2,990; PB 2,920 | Renault | 2,908 | 25; 20 | 10-18 |
| Exchange East | Marion | Gulf Refining #1 R. Meador | 29-1N-4E | 2,948 | Ohara | 2,774 | 106 | 3-22 |
| Exchange East | Marion | Union Contract. #1 Vera | 32-1N-4E | 2,952 | St. Louis | 2,943 | 28 | 4-5 |
| Gays | Moultrie | Nat'l. Assoc. Pet. #1 I. F. Garrett | 21-12N-6E | 3,296 | Devonian | 3,204 | 40; 62[b] | 3-1 |
| Harco East | Saline | Sun Oil #1 J. Reynolds | 26-8S-5E | 2,960; PB 2,575 | Cypress | 2,554 | 50 | 11-29 |
| Harrisburg | Saline | Don Foote #1 May Comm. Unit | 34-8S-6E | 2,147; PB 2,075 | Waltersburg | 2,045 | 112 | 4-26 |
| Hill East | Effingham | Partlow & Cochonour #1 A. M. Woody | 12-6N-6E | 2,825; PB 2,480 | Cypress | 2,459 | 25; 40 | 1-25 |
| Irvington East | Jefferson | Mutual Oil & Gas #1 J. A. Wacker | 30-1S-1E | 1,782 | Cypress | 1,770 | 74; 4 | 4-26 |
| Irvington East | Jefferson | J. L. McManamy #1 L. D. Miller | 30-1S-1E | 1,956 | Benoist | 1,934 | 163 | 5-24 |
| Junction | Gallatin | Skiles Oil #1 Peeples | 10-9S-9E | 2,818 | McClosky | 2,732 | 22; 16[b] | 11-29 |
| Junction North | Gallatin | G. S. Engle #1 E. Maloney | 35-8S-9E | 2,983; PB 2,875 | Rosiclare | 2,865 | 88; 14 | 4-26 |
| Louden | Fayette | Carter #7-T I. Boles | 21-8N-3E | 4,126; PB 3,922 | Trenton | 3,904 | 21; 400 | 11-22 |
| Louden | Fayette | S. Kluzek & P. Gentile #1 M. St. Pierre | 26-9N-3E | 1,803; PB 1,790 | McClosky | 1,785 | 12; 6 | 10-18 |
| Mattoon | Coles | H. J. Adams et al. #6 M. B. Herkimer | 11-12N-7E | 3,188; PB 2,970 | Carper | 2,950 | 20; 70 | 7-19 |
| Mitchellsville | Saline | W. W. Misener #1 T. Svers | 3-10S-6E | 2,376; PB 1,350 | Degonia | 1,328 | 25; 10 | 10-25 |
| Oak Point | Clark | M. & E. Drlg. #1 Flint | 31-9N-14W | 1,609; PB 1,208 | Aux Vases | 1,191 | 70; 15 | 9-6 |
| Omaha | Gallatin | Atlas Drlg. #1 G. West | 28-7S-8E | 2,942; PB 2,770 | Aux Vases | 2,740 | 21 | 4-26 |
| Omaha | Gallatin | Murvin & Steber #1 Utley | 34-7S-8E | 2,941; PB 2,770 | Bethel | 2,571 | 15; 3[b] | 5-31 |
| Omaha South | Saline | Nat'l. Assoc. Pet. #1 E. Woolard | 12-8S-7E | 3,010; PB 2,895 | Aux Vases | 2,871 | 36; 22 | 4-26 |
| Ridgway | Gallatin | W. C. Heppard #1 Kanady et al. | 24-8S-8E | 1,760 | Palestine | 1,730 | 20; 40 | 6-28 |
| Roland Consol. | Gallatin | W. C. McBride #2 S. Moore | 24-7S-8E | 2,967; PB 2,950 | Golconda | 2,506 | 36[d] | 1-18 |
| Sailor Springs East | Clay | T. R. Lindsay #1 Anderson-Payne Unit | 28-4N-8E | 3,032 | McClosky | 3,021 | 40 | 8-16 |
| Shawneetown | Gallatin | H. D. Atha #1 T. O. Logsden | 13-9S-9E | 2,715; PB 2,065 | Palestine<br>Waltersburg<br>Tar Springs | 1,720<br>1,902<br>1,959 | 120; 35[d] | 11-22 |
| Shawneetown East | Gallatin | Vandenbark-McGuire #1 Hall-Clayton | 22-9S-10E | 2,727; PB 2,525 | Bethel | 2,481 | 23; 48 | 1-11 |
| Shawneetown East | Gallatin | Vandenbark-McGuire #1 Wiederhold | 28-9S-10E | 2,730; PB 1,870 | Waltersburg | 1,856 | 5; 15 | 5-17 |
| Shawneetown North | Gallatin | Sun Oil #1 L. Miller | 7-9S-10E | 2,764 | Aux Vases | 2,751 | 33 | 6-28 |
| Toliver East | Clay | Texas #1 Willison | 25-5N-6E | 2,960; PB 2,540 | Cypress | 2,512 | 6; 13 | 11-8 |

[a]Oil and water.

[b]Producing from 2 pays.

[c]Now included in Eldorado Consolidated.

[d]Producing from 3 pays.

TABLE 7.—SELECTED LIST OF DRY TESTS, 1955

| Line no. | Pool | County | Company and farm | Location | Total depth (ft.) | Deepest formation | Depth to top (ft.) | Date of completion |
|---|---|---|---|---|---|---|---|---|
| 1 | | Adams | A. W. Neal #1 Perry | 15–1N–5W | 873 | Trenton | 747 | 9–27 |
| 2 | Sorento | Bond | Neary & Cahill #4 Roby-Griffith | 16–6N–4W | 2,680 | Trenton | 2,608 | 12–13 |
| 3 | Old Ripley* | Bond | C. Bassett #2 S. Parker | 22–5N–4W | 2,221 | Devonian | 2,161 | 9–13 |
| 4 | | Champaign | S. D. Tate #1 G. L. Raymond | 4–17N–10E | 1,808 | Trenton | 1,720 | 3–15 |
| 5 | | Coles | H. C. Sanders #1 Huffman | 19–14N–8E | 3,960 | Trenton | 3,797 | 8–9 |
| 6 | Grandview | Edgar | M. L. Livingood #1 Babcock | 4–12N–13W | 1,620 | Devonian | 1,565 | 12–6 |
| 7 | | Johnson | Shure Oil #1 Evans | 10–11S–4E | 2,238 | Ste. Genevieve | 1,803 | 11–22 |
| 8 | Carlinville | Macoupin | Calvert Drlg. #1 L. Loveless | 8–9N–7W | 1,949 | Trenton | 1,836 | 4–19 |
| 9 | | Macoupin | G. & M. Bryant #1 Menke | 12–7N–7W | 2,265 | Trenton | 2,140 | 11–15 |
| 10 | | Macoupin | P. F. Bergschneider #1 L. R. Miller | 26–12N–6W | 2,252 | Trenton | 2,114 | 9–20 |
| 11 | | Madison | A. E. Hempen #1 Listerman | 22–3N–9W | 1,425 | Maquoketa | 1,341 | 7–26 |
| 12 | | Madison | Davis #1 Jamison | 5–6N–10W | 1,371 | St. Peter | 1,353 | 8–23 |
| 13 | Iuka | Marion | Rochester & Goodell #1 Luttrell | 11–2N–4E | 4,487 | Devonian | 4,347 | 2–15 |
| 14 | | Massac | F. Foss #1 F. Foss | 1–14S–4E | 3,256 | Devonian | 3,073 | 9–6 |
| 15 | | Mercer | Lee Cofer #1 L. Cofer | 24–13N–4W | 1,319 | Prairie du Chien | 1,068 | 10–18 |
| 16 | | Morgan | P. F. Bergschneider #1 J. W. Dodsworth | 24–14N–9W | 1,602 | Trenton | 1,528 | 12–13 |
| 17 | | Piatt | T. Myers #1 Wagoner Est. | 24–17N–4E | 3,160 | Trenton | 3,063 | 9–20 |
| 18 | | Pike | F. Babiak #1 Walker | 20–3S–3W | 735 | Trenton | 658 | 9–20 |
| 19 | | St. Clair | Mississippi River Fuel #1 M. Vale | 8–2S–8W | 1,959 | St. Peter | 1,865 | 4–26 |
| 20 | | Union | F. L. Rigney #1 Hileman | 21–13S–1W | 621 | Warsaw | 599 | 12–13 |
| 21 | | Vermilion | Jet Oil #1 H. C. Finley | 9–18N–12W | 1,539 | Silurian | 1,376 | 6–21 |
| 22 | | Wabash | E. P. Dupont #1 R. E. Schaefer | 31–2N–11W | 5,143 | Trenton | 5,026 | 3–1 |
| 23 | Ashley | Washington | N. A. Baldridge #3 W. J. Waier | 32–2S–1W | 3,101 | Devonian | 3,044 | 9–13 |
| 24 | Dubois* | Washington | J. L. McManamy #1 Wisniewski | 13–3S–2W | 3,009 | Devonian | 2,944 | 1–18 |
| 25 | Okawville | Washington | E. A. Obering #3 Baldwin | 15–1S–4W | 3,510 | Trenton | 3,398 | 10–4 |

*Plugged back to production.

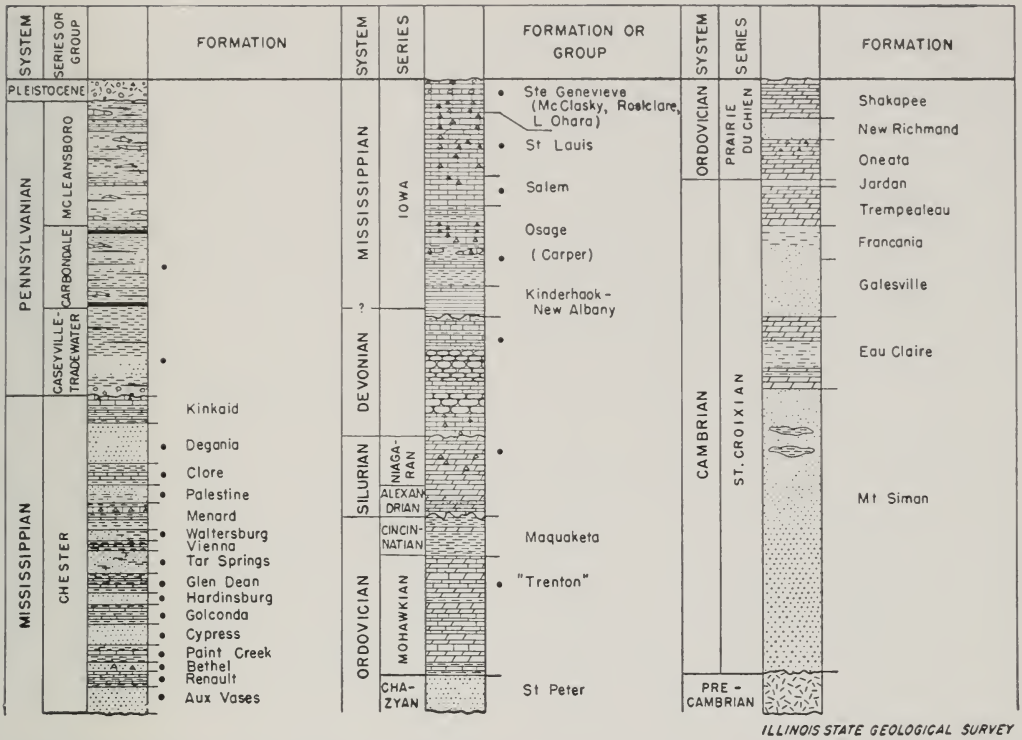



FIG. 3.—Generalized geologic column for the southern Illinois oil region. Black dots identify oil-producing strata.

TABLE 8.—GEOPHYSICAL AND CORE-DRILLING CREWS ACTIVE IN ILLINOIS, 1955

| | Seismograph | Gravity meter | Core drilling | Magnetometer |
|---|---|---|---|---|
| January | 1 | 0 | 1 | 0 |
| February | 1 | 0 | 1 | 0 |
| March | 1 | 0 | 1 | 0 |
| April | 1 | 0 | 1 | 0 |
| May | 1 | 0 | 1 | 0 |
| June | 0 | 0 | 3 | 0 |
| July | 0 | 0 | 1 | 0 |
| August | 0 | 0 | 2 | 0 |
| September | 0 | 0 | 2 | 0 |
| October | 0 | 0 | 3 | 0 |
| November | 0 | 0 | 3 | 0 |
| December | 0 | 0 | 2 | 0 |

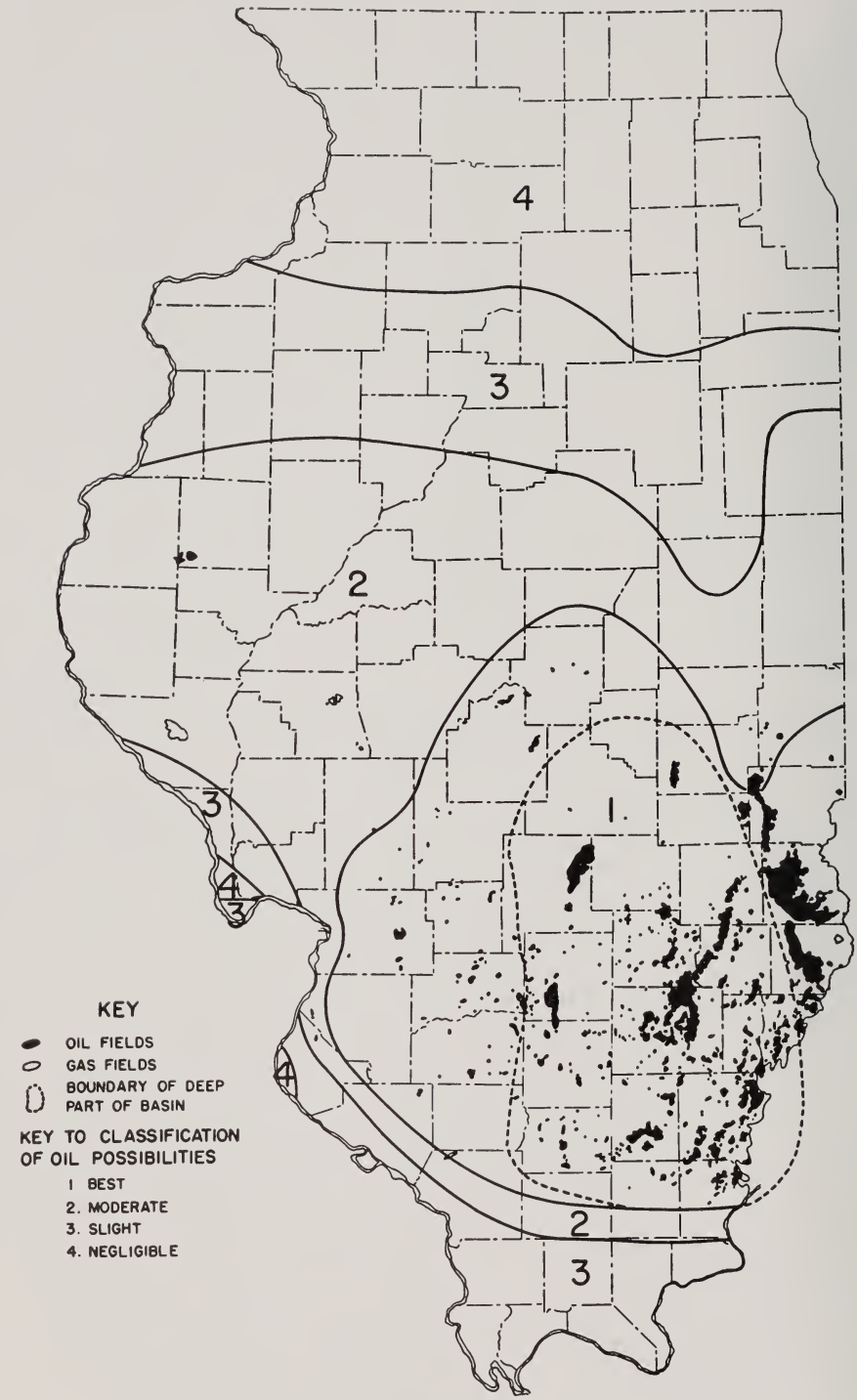



FIG. 4.—Oil and gas possibilities in Illinois, January 1, 1956.

## PRODUCTIVE ACREAGE

The area of proved production in Illinois, including abandoned pools, at the end of 1955 was 521,200 surface acres for oil and 22,155 for gas. Of this, 359,090 oil acres were in pools discovered since 1936; about 21,000 oil acres were added to them in 1955. Most of the drilling in the old pools (discovered before 1937) was inside drilling to different pays; very little surface acreage was added to the old pools.

## ESTIMATED PETROLEUM RESERVES

The Illinois State Geological Survey estimates that on January 1, 1956, oil reserves in Illinois that can be produced from wells now in existence by methods in use in each area total 701.3 million barrels. This represents an increase of 9.6 million barrels over the estimate for January 1, 1955. The factors in this change are shown below

| | *Millions of bbls.* |
|---|---|
| Estimated reserves, Jan. 1, 1955 | 691.7 |
| Withdrawal by 1955 production | 81.1 |
| | 610.6 |
| Added by new drilling in 1955 | 68.9 |
| | 679.5 |
| Added by upward revision | 21.8 |
| Estimated reserves, Jan. 1, 1956 | 701.3 |

The 2,146 oil producing wells, including workover wells, completed during 1955 added an estimated oil reserve of 68.9 million barrels, an average of about 30,900 barrels per well.

Of the 68.9 million barrels of added reserves, it is estimated that 2.5 percent is in Pennsylvanian sandstones, 87.9 percent in Mississippian sandstones and limestones, and 9.6 percent in Devonian-Silurian limestones and sandstones. New reserves credited to the Ordovician totaled about one-tenth of one percent.

As in 1954, the most important pay zones for which new reserves were added by drilling in 1955 are the Aux Vases sandstone with 37.4 percent and the Valmeyer series, which includes the Rosiclare, McClosky, and Salem, with 23.2 percent. The Waltersburg sandstone occupies third place with 11.3 percent, replacing the Cypress sandstone, which dropped from 18.9 percent of the total in 1954 to 8.5 percent in 1955. The Bethel sandstone accounted for 5.4 percent. All other Mississippian producing zones accounted for 2.1 percent of new reserves.

Although new reserves in 1955 for the Mississippian have remained about constant (88.9 percent of the total for 1954), those for the Devonian and Silurian have almost doubled (5.9 percent in 1954), and those for the Pennsylvanian are less than half of the 1954 addition (5.2 percent).

The reserves added by 33 new oil fields discovered during 1955 total 2,610,000 barrels of oil. When these reserves are broken down in the same manner as the total new reserves for 1955, a different picture is indicated in that the Mississippian accounts for 50.4 percent, the Devonian-Silurian for 49.4 percent, and the Pennsylvanian sandstones for the other 0.2 percent of the new reserves.

The ten new fields with Devonian and Silurian production lie along the western side of the basin and are the result of an intensified search for oil in this area. The major drilling in the basin area has been in extending existing fields rather than in searching for oil in deeper formations.

Comparison of the reserves discovered in new pools in 1954 and 1955, as shown above, indicates a significant increase in Devonian and Silurian reserves compared to Mississippian reserves in new pools. Inasmuch as the Devonian and Silurian have been drilled in very few places in the deep part of the basin, where the bulk of the production is from Mississippian rocks, future exploratory drilling may find new reserves here in the rocks below the Mississippian.

## PROSPECTS FOR NEW POOLS

Every year about 25 to 35 new oil or gas pools are discovered in Illinois. Figure 4 is a map of the state that classifies oil and gas possibilities by areas. The map is slightly modified after a similar classification map prepared by the Survey in 1930, seven years before oil was discovered in the deep part of the basin (outlined by the dashed line in figure 4).

From 1937 to 1954 most of the new pools were discovered in the deeper part of the basin and produced from the Pennsylvanian and Mississippian. Outstanding exceptions are the Devonian and Trenton production at Salem and Centralia. In both instances, however, Mississippian pools were established first and the deeper pays found by deepening wells within the pools.

Many of the counties in the deeper part of the basin have been developed to an extent allowing little possibility for finding new pools. In 1954 and 1955 most of the new pools were near the margin or outside the deeper part of the basin. In both years 11 new Silurian or Devonian pools were discovered in the northern and western part of the area of best possibilities.

During 1955 three important areas of deeper production were developed: the Salem limestone in the northern part of the Clay City Consolidated pool in Jasper County, and a Devonian sandstone as a northern extension to both Sorento and Woburn Consolidated pools in Bond County.

In the deep part of the basin the pre-Mississippian formations are virtually untested. In some counties, including Clay and Wayne, only a dozen or so deep tests have been made, and none of these has tested possible pays below the St. Peter sandstone. Possible deep pays are discussed in "Deep Drilling and Deeper Oil Possibilities in Illinois," by L. E. Workman and A. H. Bell, published in the Bulletin of the American Association of Petroleum Geologists, v. 32, p. 2041, 1948.

## GAS AND GAS PRODUCTS

An estimated 40 billion cubic feet of gas was produced from Illinois oil wells during 1955, either as solution gas or in separate gas reservoirs in the oil areas.

Most of the 143 million cubic feet of Illinois gas marketed during the year, as shown in the table below, came from dry gas wells within oil fields. In addition to the gas marketed, a somewhat smaller amount from gas wells in oil fields was used as fuel on leases.

About 7.1 billion cubic feet of solution gas from Illinois oil wells was processed during 1955 by the three principal operating companies, producing 1,809,000 bbls. of natural gasoline and allied products. This figure does not include natural gasoline and allied products from one plant in Illinois that processes gas from outside the state. Data furnished by the companies indicate that approximately 300 million cubic feet of dry residue gas was returned to the producing formations, the remainder being used as plant or lease fuel. The amount of plant residue gas flared was insignificant.

In addition to the 7.1 billion cubic feet of metered solution gas processed, it is estimated that a like amount of unmetered gas was used largely for lease fuel. About 35 billion cubic feet of gas was flared during the year, principally in the Saline County area.

Eighteen new gas wells located in seven different pools in nine different counties, and having a combined open-flow capacity of 57,954,000 cubic feet daily, were completed during 1955. None of this gas has been marketed for use away from the producing area. Two of the seven gas pools, Fishhook in Adams and Pike counties and Redmon North in Edgar County, have produced only gas to date. Approximately 13 million cubic feet of the new capacity is represented by the six gas wells in the Fishhook pool.

GAS PRODUCED IN ILLINOIS AND MARKETED IN 1955

| *Field, County* | *Market* | *Cu. ft. used* |
|---|---|---|
| Harrisburg, Saline | Harrisburg | 25,245,000 |
| Herald Consolidated, White-Gallatin | Carmi | 117,844,000 |
| | | 143,089,000 |

## SECONDARY RECOVERY

Use of the waterflood method of secondary recovery continued to expand in 1955. At the end of 1954, approximately 245 waterfloods were in operation in Illinois, whereas by the end of 1955 there were approximately 300 waterflood projects. During 1955, these operations recovered an estimated 25,000,000 barrels of oil, or 31 percent of the state's total oil production. This is 39 percent more than the 1954 waterflood production of 18,000,000 barrels. The cumulative waterflood oil recovery by the end of 1955 was approximately 100,000,000 barrels.

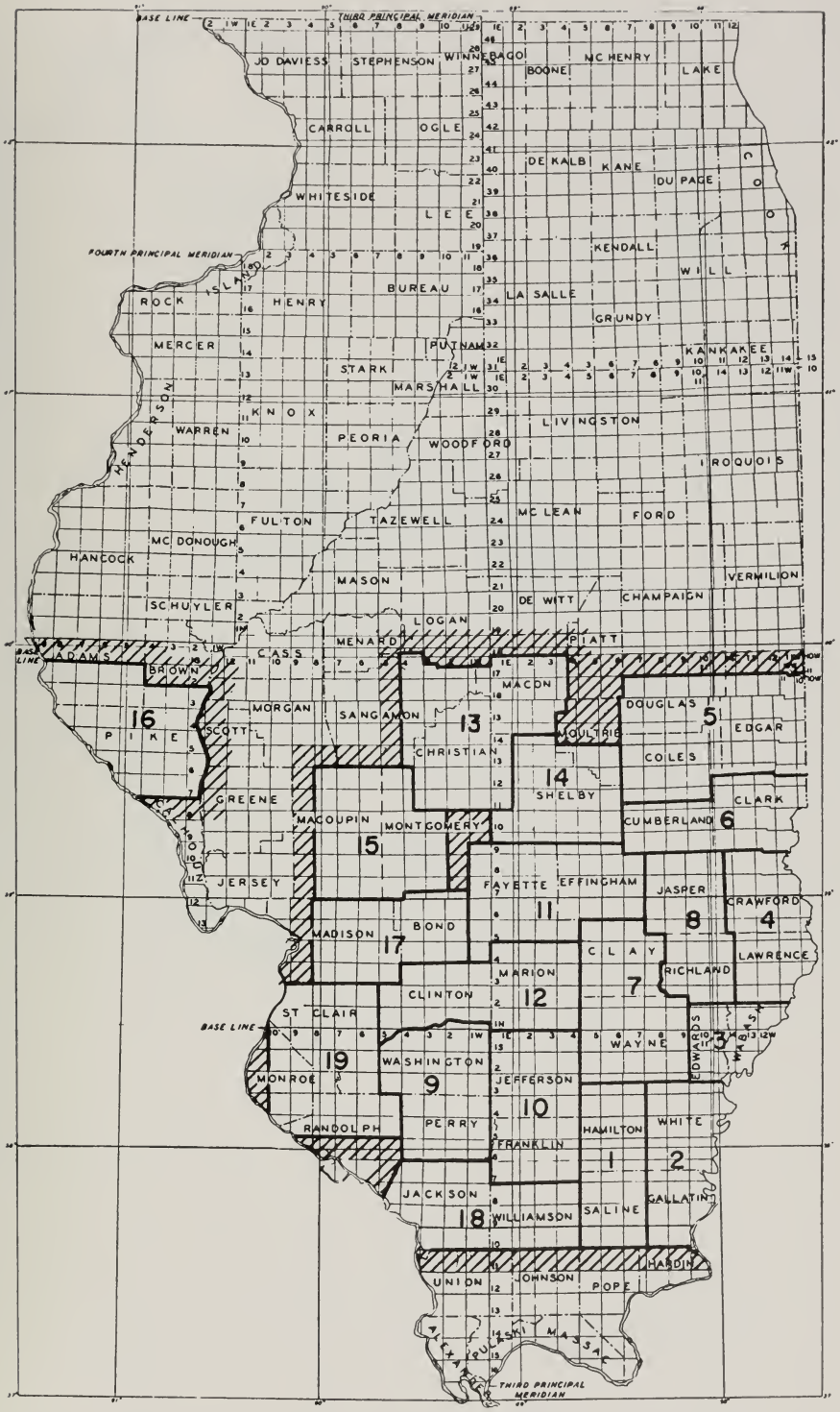



FIG. 5.—Index map to areas and counties covered in this report. See detail maps, figures 6-24. County reports, arranged alphabetically, begin on page 47.

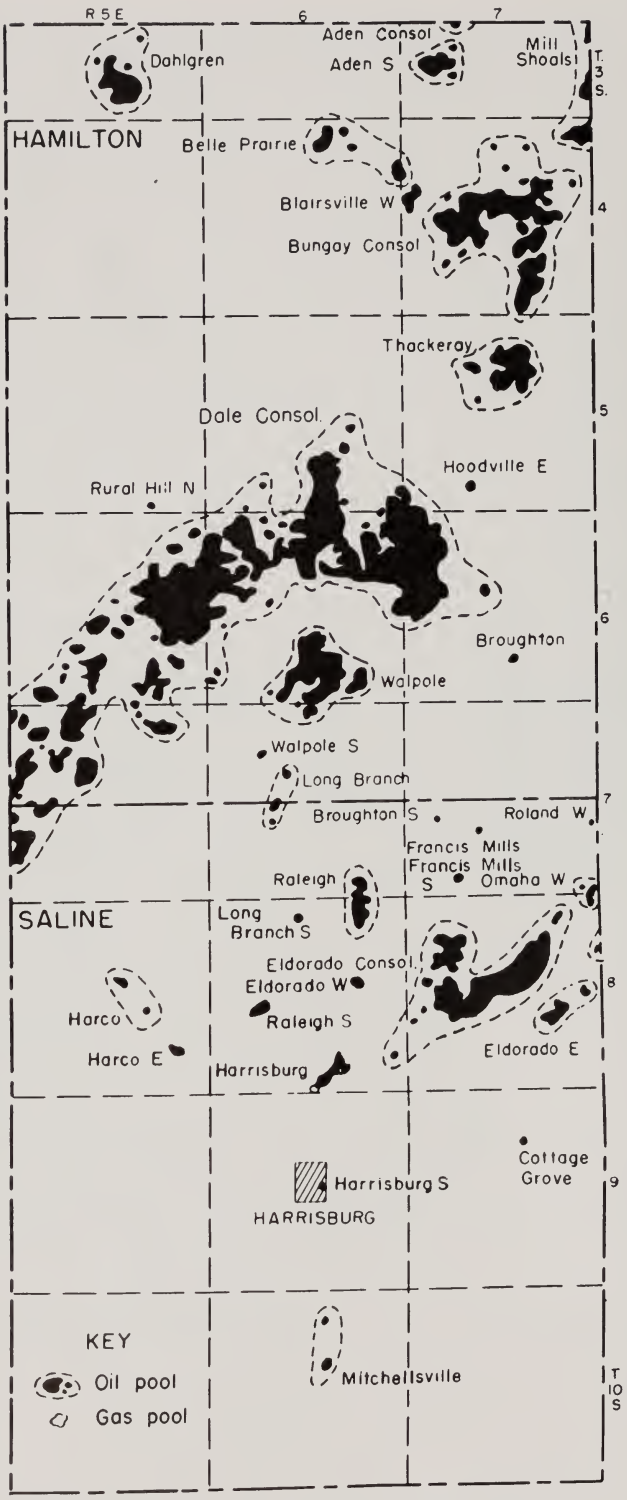



FIG. 6.—Area 1: Hamilton and Saline counties.

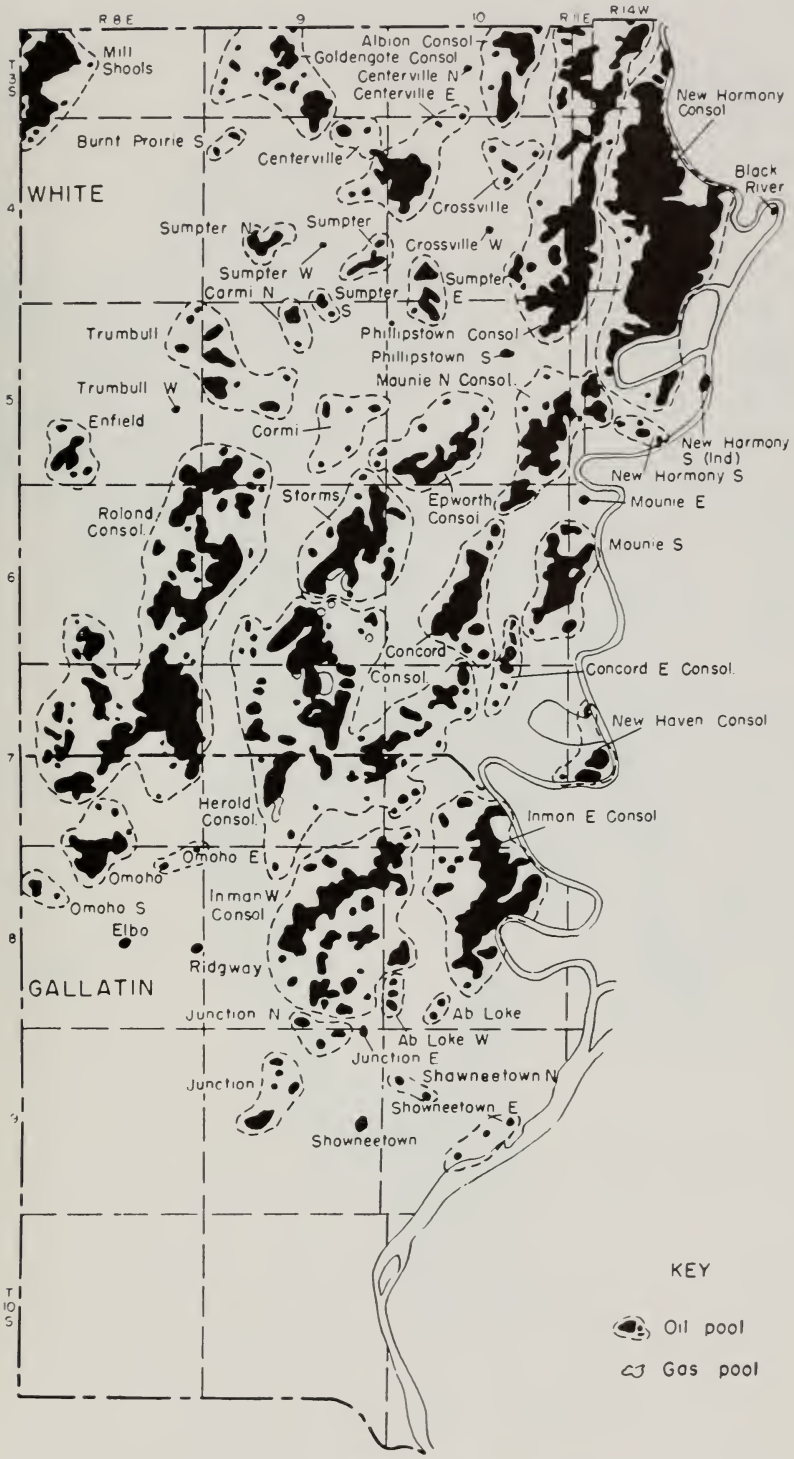



FIG. 7.—Area 2: White and Gallatin counties.

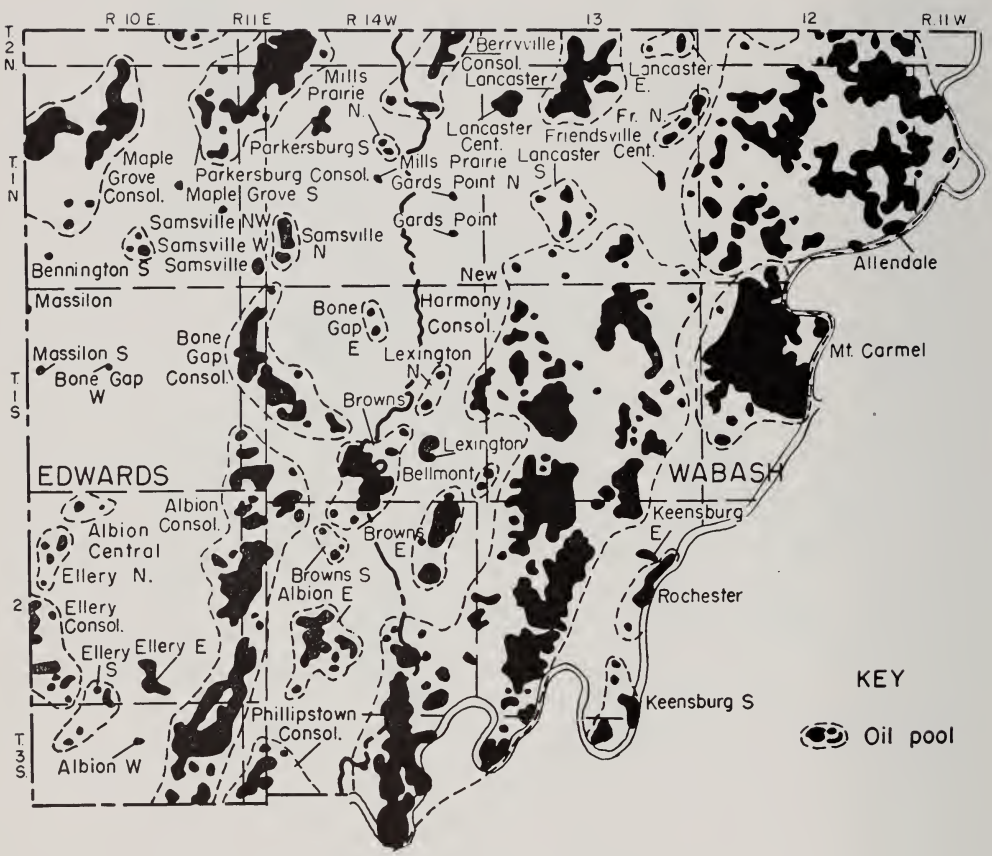



FIG. 8.—Area 3: Wabash and Edwards counties.


FIG. 9.—Area 4: Crawford and Lawrence counties.

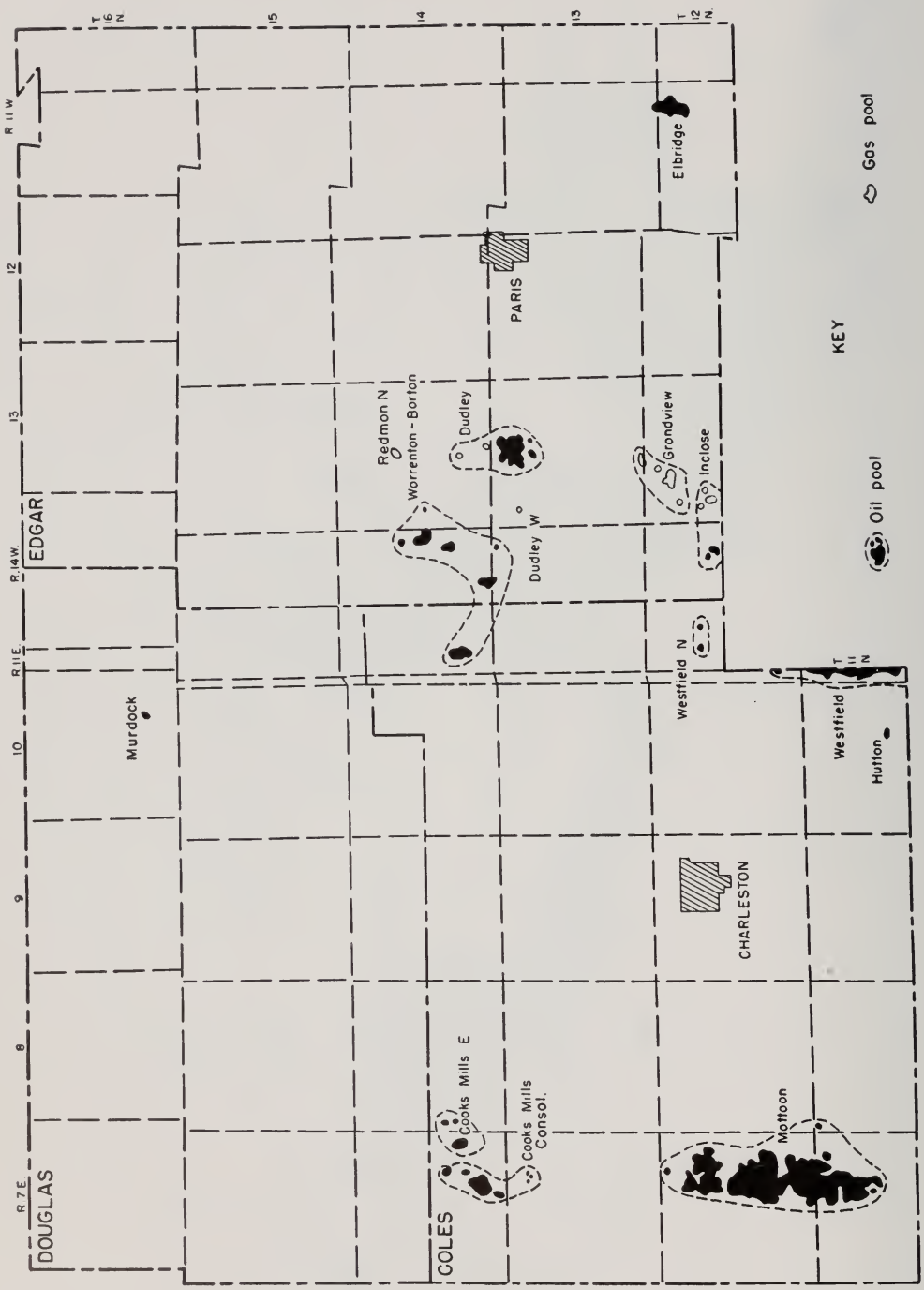



FIG. 10.—Area 5: Coles, Douglas, and Edgar counties.


FIG. 11.—Area 6: Cumberland and Clark counties.

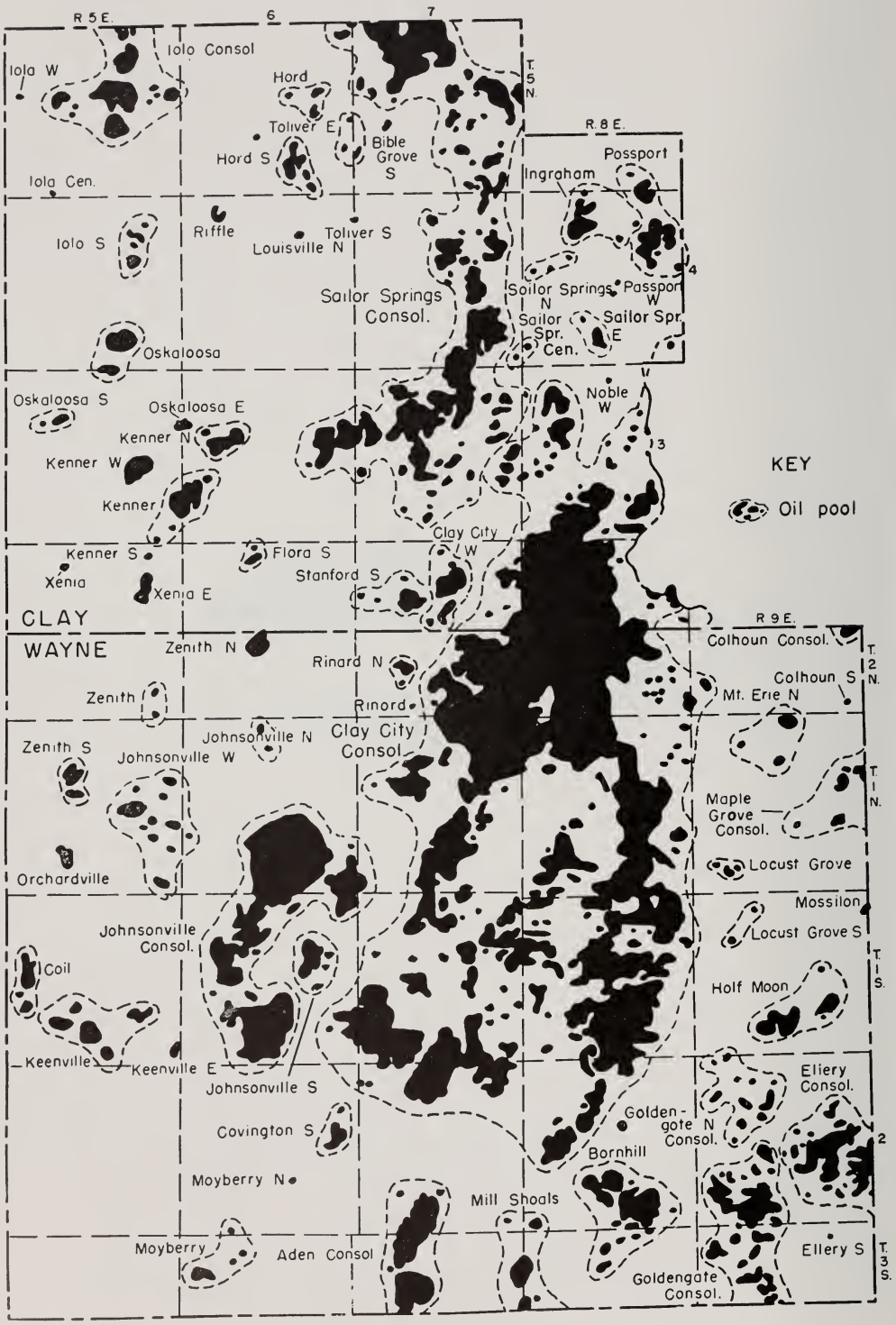



FIG. 12.—Area 7: Clay and Wayne counties.

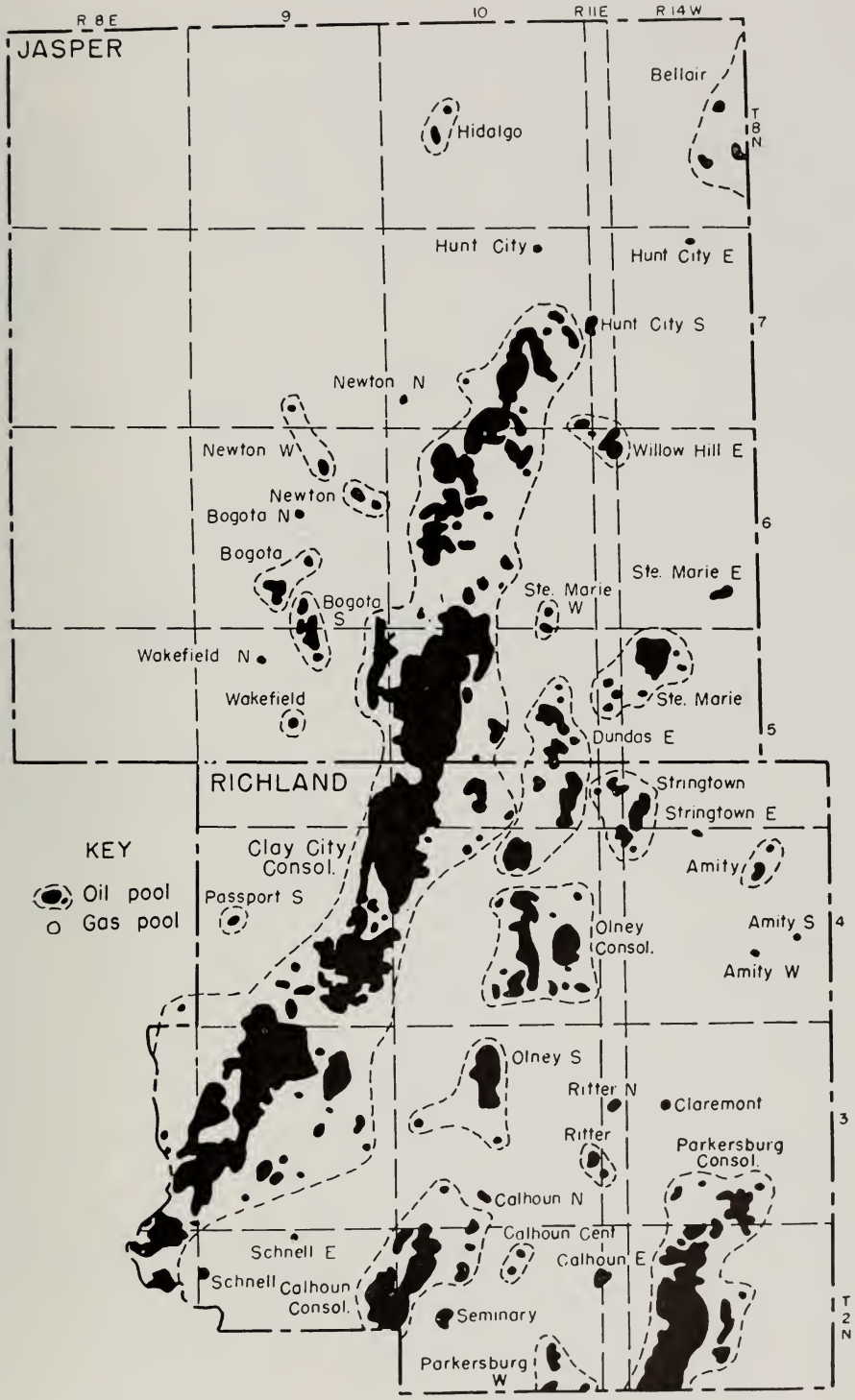



FIG. 13.—Area 8: Jasper and Richland counties.


FIG. 14.—Area 9: Washington and Perry counties.

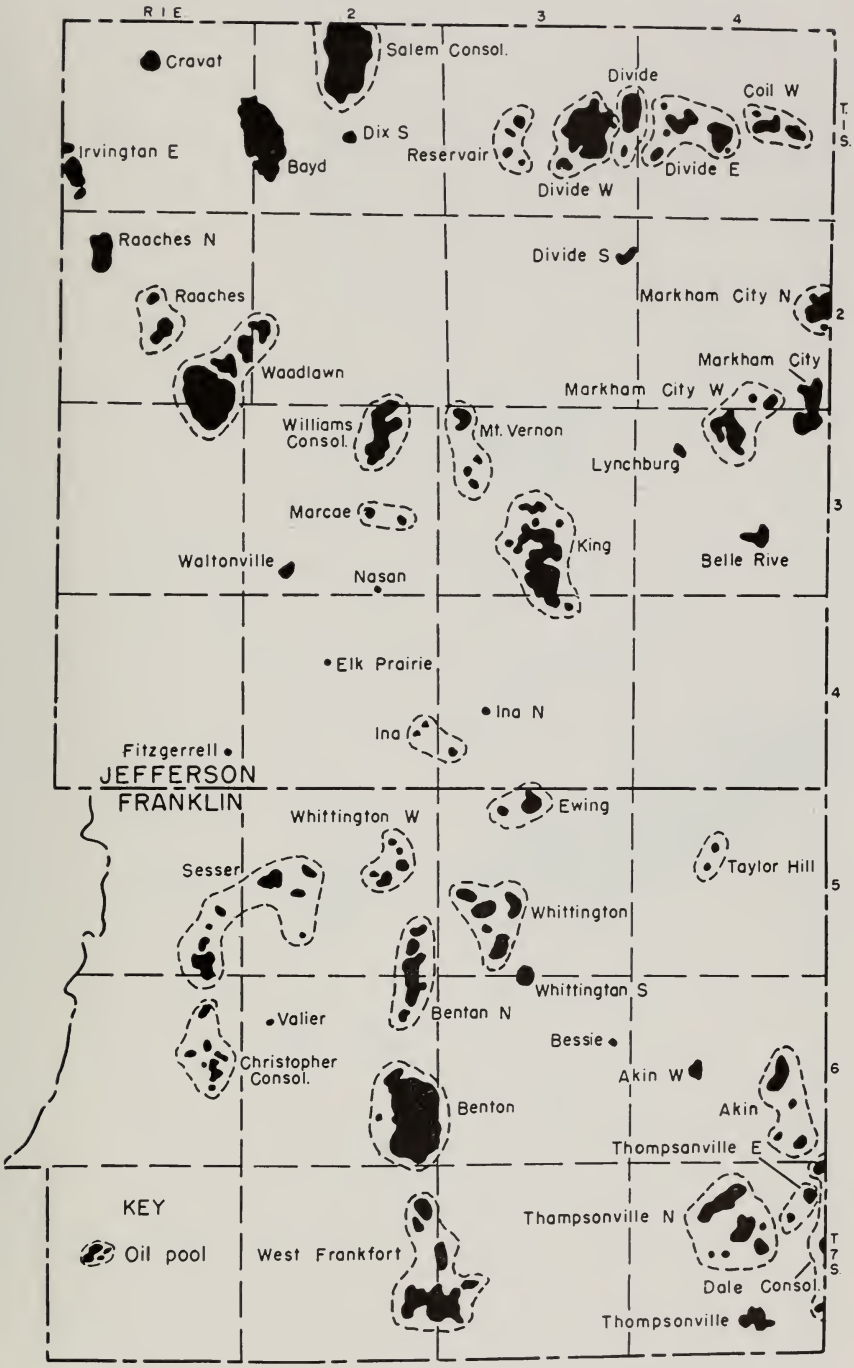



FIG. 15.—Area 10: Jefferson and Franklin counties.


FIG. 16.—Area 11: Fayette and Effingham counties.


FIG. 17.—Area 12: Clinton and Marion counties.

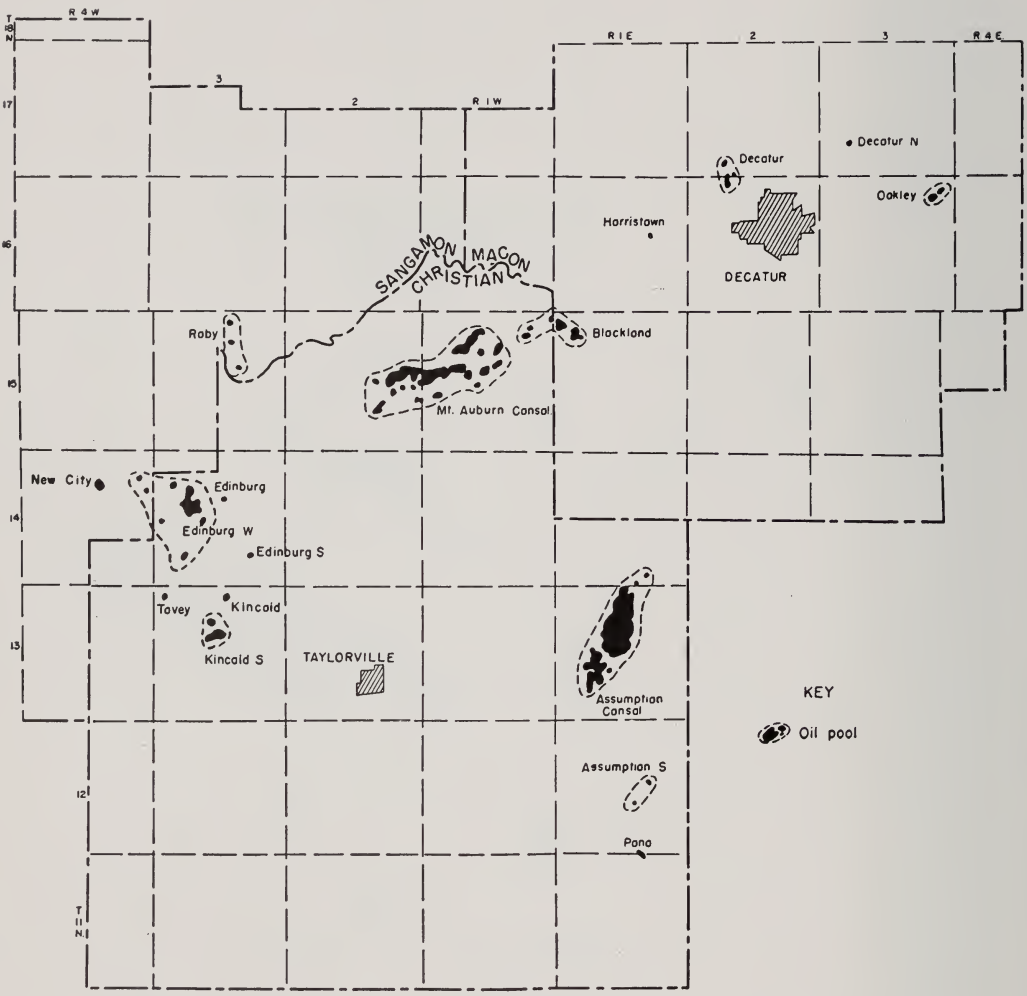



FIG. 18.—Area 13: Sangamon, Macon, and Christian counties.

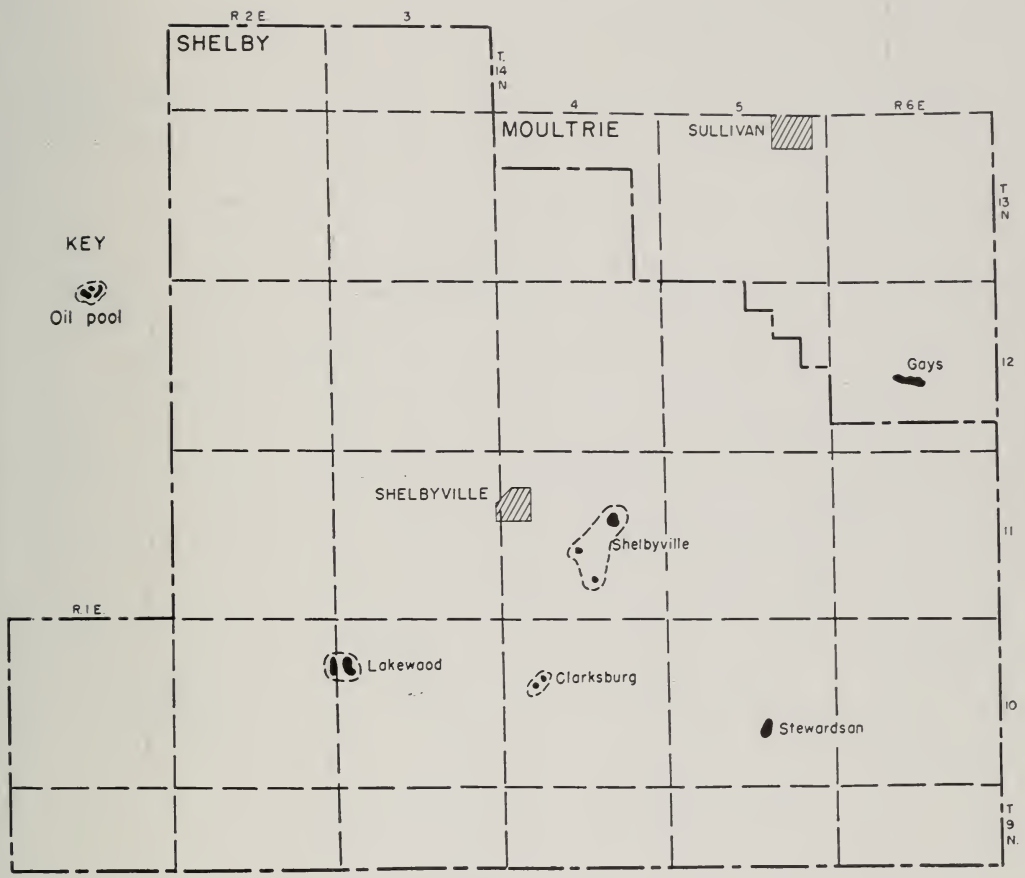



FIG. 19.—Area 14: Shelby and Moultrie counties.

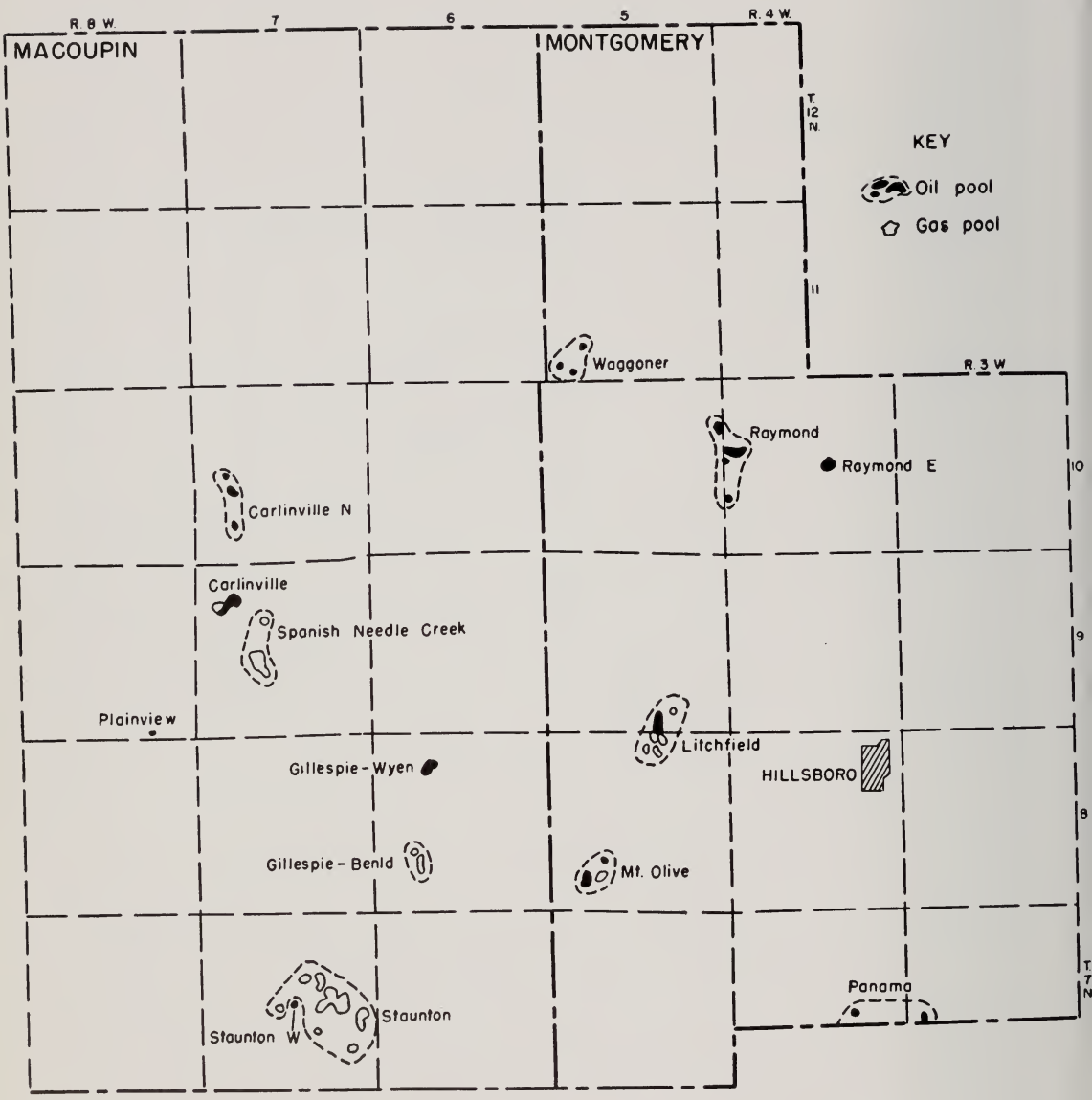



FIG. 20.—Area 15: Macoupin and Montgomery counties.


FIG. 21.—Area 16: Pike and Adams counties.


FIG. 22.—Area 17: Madison and Bond counties.


FIG. 23.—Area 18: Jackson and Williamson counties.


FIG. 24.—Area 19: Monroe, St. Clair, and Randolph counties.

# COUNTY REPORTS

## Adams County

(fig. 21, area 16)

The first producing well ever drilled in Adams County was brought in in 1955, a 458-foot Silurian gas well in the Fishhook Gas pool. The rest of the pool is in Pike County. The Adams County well had an initial open-flow capacity of 857,000 cubic feet of gas. At the end of the year the gas was not yet being marketed.

A second well drilled in Adams County during 1955 was a dry wildcat. About 20 wells have been drilled in the county in the past 20 years, only one of which has been successful.

## Bond County

(fig. 22, area 17)

Bond County in 1955 produced more than 12 times as much oil as it had in 1954, and almost half of all the oil it has produced since its first oil field was discovered in 1938. Production for 1955 was 993,000 barrels; total production for the county since 1938 is 2,288,000 barrels.

Drilling for the year also set a new high, with 163 wells completed. The previous record for any year was 54 wells in 1940. One new pool was discovered, Stubblefield South, which had one Cypress oil well completed at the end of the year. Two shut-in Cypress gas wells were completed in the Bond County portion of the Beaver Creek South pool. The other 90 producing wells were located in three pools: Old Ripley, Sorento, and Woburn Consolidated.

Old Ripley was discovered in 1954. Six wells were completed in Pennsylvanian sandstone that year, and 43 more Pennsylvanian sandstone oil wells were drilled in 1955. Production for 1954 was about 1,000 barrels, increasing to 53,000 barrels in 1955.

Two of the most important developments of 1955, for the state as well as Bond County, were the discoveries of Devonian sandstone pays at the northern end of the Sorento and Woburn Consolidated pools. Both pools previously had had Devonian production, but the wells were small and comparatively unimportant. Seven Devonian wells in the Sorento pool had produced about 36,000 barrels from 1938 to 1955, and only about 2,000 barrels of that had been produced during the last five years. The 13 new Devonian sandstone wells completed in 1955 had produced 184,000 barrels, more than five times the total produced since 1938, before the end of the year. The northern pool seemed by the end of the year to be almost developed. It was closely surrounded by dry holes.

The second, and apparently more important, new Devonian sandstone pay is on the northern edge of the Woburn Consolidated pool. The northern part of the pool previously had produced from Cypress and Bethel sandstones, and at the south end production had been from Devonian and Trenton limestones. The Mississippian sandstones were the important pays in the pool. In 1955, 33 Devonian sandstone wells were completed on the northern end of the pool, separated from the southern Devonian and Trenton production by the Cypress-Bethel sandstone pool.

In 1954 the Woburn Consolidated pool had produced 65,000 barrels of oil; in 1955 production increased to 746,000 barrels, or more than 11 times. At the end of the year the limits of the Devonian sandstone area had not been defined.

Two other pools, Beaver Creek and Dudleyville East, had a combined total of about 10,000 barrels of oil for 1955.

Until 1955 Bond County was among the least important oil-producing counties in Illinois. As a result of the two Devonian sandstone pool discoveries in 1955, it seems probable that drilling will be above normal in Bond County in 1956 as efforts are made to find additional pools in that pay.

## Christian County

(fig. 18, area 13)

Crude oil production in 1955 in Christian County reached a record high of 1,608,000 barrels. The previous high of 1,219,000 barrels had been produced when the Assumption Consolidated pool was at peak production in 1950.

Drilling dropped off sharply during 1955. Only 95 wells were completed in 1955, compared with 152 wells in 1954 when the Mt. Auburn area was being developed. However, 1955 was the third highest drilling year for the county, the highest being 1949 when Assumption Consolidated pool was developed. Of the 95 wells drilled in 1955, 43 were successful oil wells.

A remarkable degree of success was attained in wildcat drilling for the year. Three out of 22 (about 1 in 7) wildcat wells drilled more than two miles from production discovered new pools, compared with a state average of 1 out of 3 far wildcats successful. One other new pool and two extensions were discovered by 16 wildcat wells drilled less than two miles from production.

Two of the new pools, Tovey and Edinburg South, were discovered at the end of the year. Each had only one well completed and little oil produced. Both pays were Silurian in age.

The other new pools, Kincaid and Kincaid South, were discovered earlier in the year. Kincaid produced 210,000 barrels and Kincaid South 75,000 barrels. Both produce from the Hibbard pay zone in the Devonian. The Hibbard, named after the discovery well of the Kincaid pool, is sandy dolomite.

Edinburg West, discovered late in 1954, produced 509,000 barrels of oil in 1955; Assumption Consolidated produced 455,000 barrels; and Mt. Auburn Consolidated 345,000 barrels, more than half the oil produced by that pool since its discovery in 1943.

The remaining pools, Assumption South, Pana, and the Christian County part of the Blackland pool, produced a combined total of about 12,000 barrels during the year.

The oil fields of Christian County are confined to the eastern and northern townships. Production in the northern pools (Blackland, Edinburg West, Edinburg South, Kincaid, Kincaid South, Mt. Auburn Consolidated, and Tovey) is all from Devonian or Silurian pays. In two of the three eastern pools, Assumption Consolidated and Pana, there is Mississippian production. The Bethel sandstone produces in both pools and the Rosiclare in Assumption Consolidated, although the Devonian is the best pay in the Assumption Consolidated pool.

Development of and production from Christian County's new pools forecast a good year for the oil industry in that county in 1956.

### Clark and Cumberland Counties

(fig. 11, area 6)

Clark and Cumberland counties are treated as a unit because it is impossible to separate production for the two counties to give even a reasonable estimate. Most of the production is from a group of pools discovered between 1904 and 1907. Production figures are not available for the individual pools in this group, which includes Westfield, Casey, Martinsville, Johnson North, Johnson South, Siggins, and York in Cumberland and Clark counties, and also Bellair in Crawford and Jasper counties.

Production in these old pools has been increasing for several years, mainly as a result of waterflooding. In 1955 they produced 1,886,000 barrels of oil, an increase of almost 300,000 barrels over the 1954 total. Most of the wells are old and very little new acreage is being developed. Secondary recovery (waterflood) operations throughout the area must be given credit for most of the current production.

Both counties also have pools discovered during the past 10 years that are separate from the older pool area. Two of these are in Cumberland County, both dating back to 1946. Hidalgo North has made 11,000 barrels of oil and produces between one and two thousand barrels annually. Lillyville, which extends into Effingham County, produced 9,000 barrels in 1955, for a total production of 236,000 barrels.

Seven oil pools have been discovered in Clark County since 1937. Five of these (Melrose, Melrose South, Oak Point West, Westfield East and Inclose) have produced little oil.

A sixth pool, Oak Point, was discovered in 1952, abandoned in 1953, and revived in 1954. Prior to 1955 two wells had been drilled, one completed in the Carper sandstone and the other in a Pennsylvanian sand-

stone. Neither had marketed oil through a pipe line. In 1955 sixteen Aux Vases wells were completed which produced about 20,000 barrels of oil. At the end of 1955 this was one of the areas of most active development in the state.

Most of the new-pool production in Clark County comes from the Weaver pool, a Devonian pool. In 1955, production was 131,000 barrels. Total production was 1,193,000 barrels.

Sixty-seven wells were reported drilled in Clark County and 10 in Cumberland County. These included 33 oil wells (all in Clark County), 29 dry holes in pools, and 15 wildcats. Most of the wells drilled in the waterflood areas of the old pools are not reported, and the actual number of wells drilled may have been as high as 200 to 300.

### Clay County

(FIG. 12, AREA 7)

Clay is one of the few important Illinois oil producing counties that showed fewer wells completed in 1955 than in 1954. The number of wells drilled decreased from 225 in 1954 to 199 in 1955, and Clay County dropped from third to seventh place in drilling. One of the earliest counties in the basin to be developed, Clay has been extensively drilled and is unlikely to show any notable increase in drilling unless profitable new deeper pays are found.

Production, however, increased in 1955 to an estimated total of 4,945,000 barrels. Approximately half of this amount is the estimated production from the part of the Clay City Consolidated pool within Clay County. Cumulative production for Clay County is about 76,360,000 barrels.

Only two wildcat wells were drilled more than two miles from production during 1955, both of which were unsuccessful. The 37 wildcats drilled less than two miles from production discovered eight extensions to pools. There was no new pool in the county in 1955. Drilling was for the most part confined to two pools—Sailor Springs Consolidated and Clay City Consolidated. About a hundred of the 113 producing wells drilled were in those pools, and almost three-fourths of the oil produced in Clay County during 1955 came from the two pools. Three other pools, Iola Consolidated, Oskaloosa, and Stanford South, produced 200,000 or more barrels each. Twenty-two other pools produced lesser amounts of oil in 1955.

No commercial Pennsylvanian or pre-Mississippian production exists yet in Clay County. A few pools produce from the Cypress and Bethel sandstones, but most of the oil is from the Aux Vases sandstone or pays in the Ste. Genevieve.

### Clinton County

(FIG. 17, AREA 12)

Crude oil production for 1955 in Clinton County increased about 175,000 barrels over the preceding year, from 1,725,000 to 1,900,000 barrels although drilling showed one of the biggest drops for any county in the state.

Only 93 wells were completed in 1955, compared with 121 the previous year. The percentage of successful wells was low, but many new wells had unusually high initial productions. Thirty-one oil wells and two shut-in gas wells were completed. Unsuccessful wells included 27 dry holes in pools and 33 dry wildcats. The 31 producing wells include three successful wildcats, two of which discovered extensions to pools, and the third discovered a new pool, Boulder East. Only one well had been completed in Boulder East at the end of the year.

Estimated production for 1955 for Clinton County was about 1,900,000 barrels. The Centralia pool extends into Marion County, and division of production between the two counties necessarily has been estimated. Cumulative production for Clinton County is estimated at 47,575,000 barrels.

Boulder and New Memphis produced the greatest amount of oil in 1955, each making about 445,000 barrels. Three other pools, Centralia, Bartelso East, and Frogtown North, each produced 200,000 or more barrels of oil. Sixteen other pools produced a combined total of about 250,000 barrels.

During the past five years, eight new pools have been discovered in Clinton County. One is a small Cypress sandstone pool; a second produced from the Cypress but has been

abandoned. The other six produce from the Devonian and/or Silurian, and include two of the five big pools—New Memphis and Frogtown North. One of the five big pools, Bartelso East, produces from the Devonian-Silurian, and both Centralia and Boulder have considerable Devonian production. At least half of the oil now being produced in Clinton County is of pre-Mississippian age (the Trenton produces in the Shattuc and Centralia pools) and that percentage is increasing. There is a little Pennsylvanian oil production in the eastern part of the county.

### Coles County

(FIG. 10, AREA 5)

Coles County had 49 wells drilled for oil or gas in 1955, the largest number for any year since 1946 when development of the Mattoon pool resulted in the drilling of 378 wells. In 1954 only 12 wells were drilled. Most of the 1955 drilling was the result of discovery of commercial production in the Cooks Mills area.

The Cooks Mills pool, discovered in 1941, consisted of two small, widely separated Rosiclare wells. In 1946 the Cooks Mills North pool, a single Rosiclare well, was discovered. Both pools were abandoned before the end of 1950 after they had produced a combined total of about 6,000 barrels of oil. In 1953 one oil well was completed, and in 1954 another.

Toward the end of 1955 a good area of Rosiclare production was found. By the end of the year eleven new Rosiclare wells and one McClosky well had been completed in the Cooks Mills Consolidated pool, and six Rosiclare wells and one Aux Vases-Rosiclare well in Cooks Mills East.

One Aux Vases and three Cypress gas wells were completed in 1955 in the Cooks Mills Consolidated pool; one had an initial open-flow capacity of about 24,000,000 cubic feet, and is one of the biggest gas wells ever drilled in the state. All of the gas wells were shut in until an outlet could be found. At the end of the year the Cooks Mills area was one of the two being most actively developed in Illinois. New wells were being started almost daily, producing wells were scattered over an area about three miles long and a mile wide, and the limits of production were not yet established. Production in the pool increased from 3,000 barrels in 1954 to 65,000 in 1955, and the Cooks Mills East pool, discovered at the end of 1954, produced 15,000 barrels in 1955.

The only other oil pool in Coles County is Mattoon, which produced 462,000 barrels of oil in 1955. Three producing wells were completed in the Mattoon pool, including one in the Carper sandstone, a new pay, the deepest in the pool.

The 49 wells drilled in Coles County included 22 oil wells, four shut-in gas wells, 13 dry holes in pools, and 10 unsuccessful wildcats. One new pool was discovered, Cooks Mills Gas, lying between Cooks Mills and Cooks Mills North. Before the end of the year the three pools had been consolidated to form the Cooks Mills Consolidated pool. Three extensions to pools also were discovered in the county.

Two old pools, Westfield and Warrenton-Borton, extend into Coles County, but now produce little or no oil there, so their complete production has been assigned to another county. Exclusive of these two pools, Coles County produced 542,000 barrels of oil in 1955, bringing total production for the county up to 11,704,000 barrels, 11,613,000 barrels of which has been produced by the Mattoon pool.

### Crawford County

(FIG. 9, AREA 4)

In 1955 Crawford County completed 233 wells to rank fifth in Illinois in number of wells drilled. This is an increase in drilling over 1954 (219 wells), but a drop in rank (from fourth place) because of the abnormal concentration of drilling in Saline County.

Crawford County has been one of the best producing counties in the state since 1906. Most of the drilling was done prior to 1937, about 9,000 producing wells being drilled in the 30-year period. When the Illinois basin was opened up in 1937, Crawford County drilling dropped off to about a dozen wells a year.

In 1953 a new period of development began and production rose to 2,427,000 barrels in 1954, and then to 2,599,000 barrels in 1955. Total production for the county is 179,660,000 barrels.

Only two new pools have been discovered since 1937, New Bellair and New Hebron East, and they have produced only about 10,000 barrels. Credit for stabilizing and increasing production should be given to secondary recovery operations, which are extensive and successful. The amount of new drilling is not sufficient to compensate for the drop in production caused by the depletion and abandonment of wells drilled 40 or 50 years ago. The 233 wells drilled in 1955 include 130 oil wells in pools, one gas well, 84 dry pool wells, and 18 wildcats, three of which were successful. About 65 of the new wells were in Pennsylvanian pays and 35 in Bethel; the remainder included both upper and lower Mississippian pays.

### Douglas County

(fig. 10, area 5)

The first producing oil well in Douglas County was drilled in 1955. The Gallatin Drilling Company 1 John Wagner in sec. 26, T. 16 N., R. 10 E., completed November 1 as a shallow Pennsylvanian sandstone well, had an initial production of eight barrels per day. This was the discovery well of the Murdock pool. By the end of the year two dry holes had been completed in the pool, but no other producing well. It is doubtful that economically profitable production will be obtained in the Murdock pool.

The amount of exploratory drilling that has been done in Douglas County is small, varying from none in some years to a maximum of four a year until 1955. In addition to the Murdock discovery well and two dry holes drilled in 1955, nine wildcat wells were completed. The best prospects for 1956 in Douglas County are in its extreme southern part. At the end of 1955 producing wells in Cooks Mills East in Coles County were about half a mile from the Douglas County line.

Douglas County is near the northern edge of the most favorable area for oil production, but as a result of the recent development in the Cooks Mills area it merits serious consideration for scientific exploratory drilling.

### Edgar County

(fig. 10, area 5)

Drilling in Edgar County in 1955 was about normal, 23 wells having been drilled for oil or gas. Two were completed as oil wells in the Dudley pool, and one, a small Pennsylvanian sandstone gas well, discovered a new pool, Redmon North. The other 20 wells included five dry holes in pools and 15 unsuccessful wildcats.

Production in the Dudley pool showed an increase of about 6,000 barrels over 1954 figures, bringing it up to 63,000 barrels for 1955. Elbridge pool production dropped to 61,000 barrels in 1955, a decrease of 15,000 barrels. This is the first year in which Dudley, a Pennsylvanian sandstone pool, has produced more oil than Elbridge, a Fredonia limestone pool. Dudley, discovered a few months earlier than Elbridge, has produced 584,000 barrels compared with 1,226,000 barrels for Elbridge.

Production from other pools in Edgar County is insignificant. Warrenton-Borton, one of the oldest pools in the state, has produced about 32,000 barrels of oil since its discovery in 1907 and is currently producing a few hundred barrels annually. Oil production in the Inclose and Grandview pools has been insignificant.

Two pools, Redmon North and Dudley West, each consist of one gas well, and Inclose and Grandview are essentially gas pools. A few of the gas wells have been used by farmers, and two have furnished unmetered gas to the town of Grandview. However, none of the wells can be considered a truly commercial producer.

### Edwards County

(fig. 8, area 3)

Both drilling and production in Edwards County were higher in 1955 than in 1954, but neither was significantly so, corresponding to increases for the state as a whole. Eighty-four wells were drilled, an increase of 22, and production was estimated at

1,596,000 barrels, an increase of 165,000 barrels—less than one day's production for the state.

The 84 wells completed in 1955 include 35 oil wells and 29 dry holes in pools, and eight successful and 12 unsuccessful wildcats. Two new pools were discovered, Albion Central and Samsville Northwest. Both are in areas which have been extensively developed, so neither can become very large without being consolidated with an older pool. The other six successful wildcats were extensions to pools.

Changes in rate of production for most of the pools were small. The one big change was in the Albion Consolidated pool, which produced 881,000 barrels in 1955 in Edwards County (pool extends into White County), an increase of 182,000 barrels for the year. Albion Consolidated is now responsible for more than half the oil produced in Edwards County. During the past 10 years production has fluctuated between 6,000,000 and 9,000,000 barrels annually, secondary recovery and new well drilling having prevented normal decline.

Four other Edwards County pools made between 90,000 and 120,000 barrels each during 1955: Parkersburg Consolidated, Maple Grove Consolidated, Ellery Consolidated, and Ellery East. Most of the 17 other producing oil fields are small in size with little production. Albion East, Bone Gap Consolidated, Browns, Phillipstown Consolidated, and New Harmony Consolidated have all produced large quantities of oil, but are old, and production has dropped off considerably. Many of the pools in Edwards County extend into other counties. All data as given apply only to those portions of such pools as lie within Edwards County.

All production in Edwards County has been from Mississippian or Pennsylvanian pays, the latter being important only in Albion Consolidated. There has been very little testing of the pre-Mississippian formations. The Pennsylvanian and Mississippian probably have been more intensively tested in Edwards than in any other county except Wabash, so the future of Edwards County depends to a great extent upon expansion of secondary recovery operations and possible development of deeper pays.

### Effingham County

(fig. 16, area 11)

Drilling and production both increased in Effingham County in 1955. One pool, Hill East, a 1954 discovery, must be given credit for both increases. The number of wells drilled increased from 39 in 1954 to 58 in 1955; 24 of the latter were producers. Twenty-three of these were in Hill East. The 34 dry holes included 22 in pools and 12 wildcats. No new pool was discovered, but three of the new producing wells in Hill East were drilled as wildcats and completed as pool extensions. Prior to 1955, production in Hill East was from the Ste. Genevieve; 21 of the 1955 wells were completed in the Cypress sandstone.

Effingham County production for 1955 was 553,000 barrels, 80 percent of which came from its three largest pools. One of these was Hill East. The other two, Sailor Springs Consolidated and Iola Consolidated, have their major area and production in Clay County. The Louden pool, which has a small extension from Fayette into Effingham County, produced about 54,000 barrels of oil in 1955, or another 10 percent of the county's production. The remaining 10 percent came from eight small pools (Mason North, Evers, Lillyville, Eberle, Bible Grove North, Mason, Elliottstown East and Elliottstown North). Effingham County has produced a total of about 7,218,000 barrels of oil.

Oil production in Effingham County is limited to a small part of the stratigraphic section. There are no wells in strata younger than the Cypress sandstone or older than the Ste. Genevieve limestones.

### Fayette County

(fig. 16, area 11)

Although only 18 wells, 14 of which were dry, were drilled in Fayette County in 1955, production for the year increased and the county remained among the leading oil producers in Illinois.

Fayette County is unique in that although only five pools have been discovered and most of its production comes from one pool, yet it is habitually one of the four leading producing counties. Most of the drilling in the county was done between 1937 and 1942. Discovery of an extension to the Louden pool brought a period of increased activity during 1949 and 1950. Except for these two periods, the normal rate of drilling has averaged about 20 to 30 wells per year. In 1955, with only four new producing wells for the year, Fayette County's production was the highest for any year since 1946.

Fayette County in 1955 produced 8,075,000 barrels of oil, making a total production of 202,140,000 barrels. The Louden pool produced 7,654,000 barrels in 1955 for an all-time total of 188,041,000 barrels. St. James, the second largest pool, made 380,000 barrels in 1955 for a total of 13,336,000 barrels. St. Paul, Patoka West, and Laclede had a combined production of less than 40,000 barrels.

In 1955 a well in the Louden pool was successfully deepened to the Trenton, becoming the first Trenton well in the county. The initial production was 21 barrels of oil and 400 of water, so the Trenton cannot yet be considered a commercial pay zone. Most of the oil in the county is being produced from the Cypress, Paint Creek, and Bethel sandstones and from the Devonian limestone (in Louden only), but there is minor production from the Pennsylvanian and from other Mississippian pays.

### Franklin County

(fig. 15, area 10)

The amount of drilling in Franklin County has fluctuated more than that in most counties. The 1955 total of 53 wells drilled is an increase of 17 wells over 1954 and is about the median rate since 1937. The 1955 wells included 27 oil wells, 12 dry holes in pools, and one successful and 13 unsuccessful wildcats. The one successful wildcat discovered a pool extension rather than a new pool.

Benton is the only big pool in the county. It is now producing about two-thirds of the Franklin County oil, and has produced about three-quarters of the total production. The Benton pool was the first big waterflood project in the state; it is now producing a little less than half as much oil as at the peak of secondary recovery production. This, however, is almost three times higher than 1949 production, before the waterflood program was in effect. Production for 1955 was 1,441,000 barrels bringing total production for the pool up to 31,659,000 barrels.

Four other pools, Benton North, Christopher Consolidated, West Frankfort, and Whittington, each produced between 100,000 and 200,000 barrels for the year. Dale Consolidated and Sesser each made between 85,000 and 90,000 barrels. The nine other active pools had a combined 1955 production of 160,000 barrels. One of these, Thompsonville North, has produced more than 1½ million barrels of oil in the past 10 years, but production has now dropped to a low rate. Total production in the county for the year was 2,285,000 barrels of oil, bringing the cumulative total up to 41,887,000 barrels.

The Tar Springs sandstone is the best oil pay in the county and the only pay in the Benton pool. Most of the wells drilled in 1955 produce from the Aux Vases sandstone, which currently is the second most productive sandstone in Franklin County.

### Hancock and McDonough Counties

Hancock and McDonough counties share a single oil pool and are treated as a unit because production cannot be separated.

In 1955 there was a little more drilling than usual in the two counties. McDonough had 12 wells completed—two oil wells, three dry holes in pools, and seven wildcats. Hancock had only three wells—one dry pool test and two wildcats.

Oil production from the Colmar-Plymouth pool was 71,000 barrels in 1955, a slight increase over 1954. Total production for the two counties is 4,013,000 barrels.

There is no reason for anticipating any considerable variation in amount of drilling or production in the next few years.

## Gallatin County

(fig. 7, area 2)

In 1955 drilling more than doubled and production almost doubled the 1954 figures in Gallatin County. More wells were drilled than in any other year except 1948, and production was higher than in any other year except 1949. The county ranked sixth in the state in drilling for 1955.

Two hundred wells were completed, including 118 oil wells, 55 dry holes in pools, and 27 unsuccessful wildcats. The 118 new oil wells include 14 successful wildcats that discovered one new pool (Elba) and 13 extensions to pools. The ratio of one out of every three wildcats successful is extremely high, but most of the wildcats were drilled within a mile of production.

There was no concentration of drilling in any one pool as in some other counties. Producing wells were drilled in 14 pools. Herald Consolidated had 35 new wells, Inman West Consolidated 30, and Inman East Consolidated 21. Most of the other pools had only two or three new wells.

The biggest production gain was in the Inman East Consolidated pool, which produced 1,034,000 barrels of oil for the year. Herald Consolidated and Roland Consolidated, both of which have most of their productive acreage in White County, produced about half a million barrels each. The three pools more than doubled their 1954 production. Inman West Consolidated, the only other big pool in the county, produced 379,000 barrels, very slightly increasing its 1954 mark.

The above four pools produced 2,418,000 barrels of the county's 1955 oil production of 2,675,000 barrels. About half of the remainder came from the Omaha pool and the rest from 10 small pools. Gallatin County has produced about 22,936,000 barrels of oil.

Three of the oil wells drilled in Gallatin County in 1955 produce from the Pennsylvanian. The others produce from all of the upper Mississippian pays and from the Ste. Genevieve. There is no older production in the county.

## Hamilton County

(fig. 6, area 1)

Hamilton County made impressive gains in 1955. It jumped from fifteenth place with only 77 completions in 1954 to eighth place with 191 completions in 1955. In 1954 only 42 percent of Hamilton County wells were completed as producers; in 1955, 58 percent were successful. Production for 1955 was 3,846,000 barrels, an increase of about half a million barrels over 1954. Total production for the county rose to 75,588,000 barrels.

Of the 191 wells drilled in 1955, 110 were producing wells, 58 were dry holes in pools, and 23 were wildcats.

Most of the new production for 1955 was at the southwest end of the Dale Consolidated pool in the southwestern corner of the county. Almost all the new wells, including those in other pools, produce from the Aux Vases sandstone. Initial daily productions were high, averaging nearly 300 barrels per well compared with an average of less than 100 barrels for all new wells in the state. Many of the wells had daily initial productions of 500 barrels or more. Most of the wells were fractured during the completion process.

The Dale Consolidated pool had 94 new producers within the limits of Hamilton County, all but one of which were completed in the Aux Vases sandstone. Production of Dale Consolidated in 1955 increased almost half a million barrels, reaching 2,804,000 barrels and raising its total to 54,430,000 barrels. During the year Rural Hill West, Cantrell Consolidated, West End, and Flannigan were consolidated with Dale Consolidated.

One other pool, Bungay Consolidated, also showed noteworthy increases in 1955. Fourteen Aux Vases sandstone wells were completed. Production increased 300,000 barrels, the total for 1955 being 802,000 barrels, and the cumulative total 8,687,000 barrels.

Three other pools, Mill Shoals, Thackeray, and Walpole, produced over 100,000 barrels each in 1955, but in general there was little

drilling and production declined outside of the Dale Consolidated and Bungay Consolidated pools.

Although the southwestern end of the Dale Consolidated pool was still being developed at the end of the year, it seemed probable that much of this development in 1956 would be in Saline and Franklin Counties.

### Jackson County

(Fig. 23, area 18)

No oil production was reported for 1955 for Jackson County. There are two pools, one of which, Ava-Campbell Hill, was abandoned in 1943. Elkville, a one-well pool, has had no pipe line runs in the past four years.

Five wells, two of them dry holes in pools and the other three unsuccessful wildcats, were drilled in 1955. This is about the usual amount of drilling. There is no reason for anticipating any change in 1956.

### Jasper County

(fig. 13, area 8)

Jasper County showed outstanding gains in both drilling and production in 1955. In 1954 it had ranked twenty-third in drilling in Illinois, with only 27 wells completed; in 1955 it ranked ninth, with 165 wells completed.

Wells drilled in 1955 included 117 oil wells, 30 dry holes in pools, and 18 unsuccessful wildcats. Two wildcat wells were successfully completed as extensions to the Clay City Consolidated pool. All the new oil wells were in the Clay City Consolidated pool.

Part of the new drilling was development of a deeper pay zone under land already producing. A new Salem limestone producing area had been discovered at the end of 1954 underlying Rosiclare and McClosky production. In 1955, 53 Salem wells were drilled in the Clay City Consolidated pool, most of them in areas already producing. Most of the other wells were edge wells completed in the Ste. Genevieve. The Clay City Consolidated pool lies in four counties and the production noted for the Jasper County portion is an estimate. New drilling in 1955 is estimated to have increased production to about 2,000,000 barrels, an increase of about half a million barrels. Total production for the Jasper County portion of Clay City Consolidated is estimated at 27,000,000 barrels.

There are nine other active oil pools in Jasper County. Combined production for the nine for 1955 was 104,000 barrels, a decrease of about 5,000 barrels from the 1954 total. Eight other pools are abandoned or shut down. Total production for all Jasper County pools, excluding Clay City Consolidated, amounts to 3,007,000 barrels.

By the end of 1955 the drilling peak appeared to have passed, indicating a decrease in drilling for 1956, but drilling should continue at a higher rate than in 1954.

### Jefferson County

(fig. 15, area 10)

Drilling dropped off a little in 1955 in Jefferson County after reaching a higher than normal rate in 1954. There were 85 wells drilled, 43 of which were completed as producers, 27 as dry holes in pools, and 15 as unsuccessful wildcats. No new pool was discovered, but two of the 43 successful wells were drilled as wildcats and completed as extensions to pools.

Production for Jefferson County in 1955 was 2,506,000 barrels, an increase of 235,000 barrels for the year. Total production to the end of 1955 was 47,515,000 barrels.

Most of the 1955 drilling was confined to two pools: King with 17 new oil wells and Irvington East with 16. The new wells in the King pool produce from the Aux Vases sandstone.

In the Irvington East pool, four Pennsylvanian sandstone wells had produced 7,000 barrels of oil in the four years from 1951 to 1954. In 1955 two new pays, the Cypress and Bethel sandstones, were discovered in Irvington East, and the sixteen 1955 wells produce from these two pays. Production for the year was 65,000 barrels.

About 2,000,000 barrels of the 1955 production came from the five largest pools, two of which had substantial increases. Boyd, which has the largest annual production, shows the results of waterflooding in its increase in production from 557,000 barrels in

1954 to 689,000 barrels in 1955. The Jefferson County portion of Salem Consolidated produced 403,000 barrels in 1955, an increase of 87,000 barrels.

Except for Irvington East, as noted above, all other pools showed declines or only minor increases in production. As most pools in Jefferson County are from eight to fifteen years old, declines in production are to be expected except where secondary recovery operations are effective.

### Lawrence County

(FIG. 9, AREA 4)

Lawrence County pools and production are considered in two groups—pools discovered in 1906 (Lawrence and St. Francisville), and pools discovered since 1937.

Development of the Lawrence pool occurred for the most part within 10 or 15 years from the date of its discovery. For the following 30 years, and especially after 1937, there was only a small amount of drilling. Annual completions for Lawrence County averaged about 20 wells and rarely exceeded 50. In the last three or four years, however, interest in testing for new pays in the old Lawrence pool has grown. As a result, 157 new oil wells were added to the Lawrence pool in 1955. Clay City Consolidated is the only Illinois pool to exceed this number. Two new oil wells were drilled in the St. Francisville pool also. Production from the two pools in 1955 was 3,479,000 barrels, an increase of about 600,000 barrels over 1954. Total production for the two pools to the end of 1955 was 257,811,000 barrels.

Twelve pools have been discovered since 1937, including two discovered in 1955. The 1955 discoveries, Pinkstaff East and Russellville West, each consisted of a single well at the end of the year with no more drilling in prospect.

Three of the 12 pools have been abandoned, and most of the others are small. In Russellville Gas, once the biggest gas pool in Illinois, the Pennsylvanian gas has been depleted and one well, deepened to the McClosky, is producing about 1,000 barrels of oil per year.

Production from the post-1937 pools was about 355,000 barrels in 1955, making their cumulative production about 3,562,000 barrels, little more than the Lawrence pool produced in 1955. Most of the 355,000 barrels came from 4 pools: Ruark (117,000 barrels), Ruark West Consolidated (131,000 barrels), Lawrence West (71,000 barrels), and St. Francisville East (22,000 barrels).

Lawrence is one of the counties that showed large increases in drilling in 1955. The number of wells completed jumped from 141 in 1954 to 255 in 1955, putting Lawrence in third place in the state behind White and Saline counties. Of the 255 wells reported completed in Lawrence County, 175 were oil wells, 63 were dry holes in pools, and 17 were unsuccessful wildcats. Secondary recovery operations are extensive in the Lawrence pool, and the Basin Scout Association seldom reports wells drilled on such projects, so the number of wells actually drilled in Lawrence County may be much greater than the above figures indicate.

### Macon County

(FIG. 18, AREA 13)

Macon County's "oil boom," which began in December 1953 and extended through 1954, almost ended in 1955. Well completions dropped from a high of 49 in 1954 to 17 in 1955. Only one of the 17 wells was successful. There were four unsuccessful pool tests and 12 unsuccessful wildcats. The producing well was in the Oakley pool.

Four pools in Macon County had production in 1955. The 10 wells in the Macon County part of the Blackland pool produced 93,000 barrels of oil for the year. The other three pools, Decatur, Oakley, and Harristown, produced 11,000 barrels from a combined total of 13 wells. Total production for 1955 was 104,000 barrels, which brought the total production for the county to 191,000 barrels, 171,000 of which has come from the Blackland pool.

All the Macon County wells produce from the Silurian or Devonian. It seems doubtful that many of the wells producing in 1955 will pay for themselves. Unless a new and better pool is discovered, drilling in Macon

County probably will revert to its pre-1954 rate with only five or six wells drilled per year.

### Macoupin County

(fig. 20, area 15)

Although oil was discovered in Macoupin County almost 50 years ago (in 1909), producing wells have been few in number and production insignificant.

Nineteen wells were drilled in 1955, 5 dry holes in pools and 14 wildcats. One of the pool dry holes was a Trenton test in the Carlinville pool. Carlinville, the oldest pool in the county, has some unplugged wells that occasionally are pumped. The other old oil pool, Gillespie-Wyen, also produces a little oil occasionally.

Three gas pools, Spanish Needle Creek, Staunton, and Gillespie-Benld, have been abandoned.

Four oil pools have been discovered in the past 15 years. Three of these, Plainview, Staunton, and Staunton West, consist of a single well each. Most of the wells in Carlinville North, the fourth pool, have been abandoned. Production from wells that have not been plugged in the four pools is intermittent and totals at most a few hundred barrels a year. Total production for the county is unknown, but it probably is only a few thousand barrels.

All production in Macoupin County is Pennsylvanian in age. Most of the county is outside the area believed to have the best prospects for future development, so it is doubtful that Macoupin will ever be an important oil-producing county.

### Madison County

(fig. 22, area 17)

The year 1955 was one of the least successful for the oil industry in Madison County since 1943. Of 34 wells drilled, four were completed as shallow Pennsylvanian sandstone oil wells in the Livingston South pool, 15 were dry holes in pools, and 15 were unsuccessful wildcats.

One new pool was named in 1955. The discovery well originally was completed as a temporarily abandoned well, then put on the pump in 1954. By the end of 1955 it had produced 1,000 barrels of oil and was named the discovery well of the St. Jacob East pool. Production is from the Sylamore sandstone in the Devonian system.

About three-fourths of the Madison County production comes from the Silurian reef and the overlying Devonian limestones of the Marine pool. The pool produced 349,000 barrels in 1955, bringing its total production up to 9,271,000 barrels.

The St. Jacob pool is second in importance, with a production record of 70,000 barrels for 1955 and a total of 2,741,000 barrels, all from the Trenton limestone.

The Livingston and Livingston South pools produce from a shallow Pennsylvanian sandstone. Their combined production was 68,000 barrels for 1955; cumulative production for the two pools is 454,000 barrels.

Livingston East consists of a single gas well that has been shut in since completion.

Madison County has produced 12,469,000 barrels of oil, including 1,000 barrels from the old abandoned Collinsville pool. Production in 1955 was 488,000 barrels.

There is no Mississippian oil production in Madison County. Three pools produce from the Pennsylvanian, two from the Devonian and/or Silurian, and one from the Trenton.

### Marion County

(fig. 17, area 12)

In 1955 Marion County recorded a decided increase in production, but one of the biggest decreases in drilling for any county in the state. The Salem Consolidated pool was almost entirely responsible for both changes.

During 1953 and 1954 a Rosiclare sandstone extension to the Salem Consolidated pool was being developed. By the end of 1954 it was almost drilled up, and only a few holes were completed in 1955. The 1954 drilling may be responsible for some of the increased production. Most of it, however, is due to expanded, highly successful waterflooding in the Salem Unit of the Salem Consolidated pool. Production, which had been about 5,000,000 barrels annually in the

Marion County portion of the Salem Consolidated pool, increased to 7,210,000 barrels in 1955.

Production during 1955 was about 8,725,000 barrels from pools discovered since 1937 and about 50,000 barrels from old pools. Production in 1954 was about 6,500,000 barrels. Total production is about 284,725,000 barrels. Drilling dropped from 182 completions in 1954 to 92 completions in 1955, including 52 oil wells, 21 dry holes in pools, and 19 unsuccessful wildcats. A total of 24 wildcat wells were drilled, five of which were successful and discovered two new pools (Exchange East and Iuka West) and three extensions to pools. Most of the new oil wells were in the Iuka, Exchange East, and Salem Consolidated pools, and produce from the Ste. Genevieve or St. Louis formations.

The Exchange East pool is one of the best pools discovered in 1955 in Illinois. By the end of the year it had 12 oil wells and had produced 78,000 barrels of oil.

The Iuka pool, discovered in 1947, had little drilling or production before 1954. In 1954, 16 oil wells were completed and in 1955, 18 were completed. Production for 1955 was 306,000 barrels out of a total of 462,000 barrels cumulative production.

An unsuccessful Devonian test was drilled in the Iuka pool, but no new pre-Mississippian production was discovered in Marion County in 1955.

Marion County ranks first in the state in total production. Although many counties have more drilling and White County now leads in annual production, the size and success of the Salem secondary recovery project should keep Marion County in first place for cumulative production for several years more.

### Monroe County

(fig. 24, area 19)

Monroe County has been an oil producing county, but can scarcely be considered as such at present.

Its only pool, Waterloo, was discovered in 1920 and most of it converted into underground gas storage in 1951. Three producing wells were left at the south end of the pool. Total production for the pool is about 37,000 barrels, and the amount produced since 1951 is insignificant.

One well, a dry hole, was drilled in the Waterloo pool in 1955.

### Montgomery County

(fig. 20, area 15)

Montgomery County is the oldest oil producing county in Illinois, but its pools are small and the wells low in production. In about 75 years of production, Montgomery probably has produced less than 75,000 barrels of oil.

The two newest pools, Raymond East and Panama, produced about 5,000 barrels of oil in 1955. The other four pools, Litchfield, Mt. Olive, Raymond, and Waggoner, are abandoned or shut down for the most part, but occasionally produce a little oil.

Of the 15 wells drilled in Montgomery County in 1955, four were completed as dry holes in pools, and 11 as unsuccessful wildcats.

### Morgan County

Seven wells were drilled in Morgan County in 1955—one gas well in the Prentice pool, three pool dry holes, and three dry wildcat wells.

The Prentice pool, discovered in 1953, consists of six gas and two oil wells. No oil or gas has been marketed. The pay zone is a shallow Pennsylvanian sandstone.

The Waverly pool, discovered in 1946, has had one Devonian oil well and one Pennsylvanian and seven Devonian gas wells completed. No oil has been marketed. In 1954 an attempt was begun to use the Waverly pool for underground storage of gas. Earliest results were unsatisfactory, but experimental work continued in 1955.

Morgan County has had one other gas pool, Jacksonville, which was discovered in 1910 and abandoned in 1939. Amount of gas produced is not known.

There is no good oil or gas production within 20 miles of Morgan County at present. Although more wells similar to those at Waverly and Prentice may be drilled, it

is doubtful that Morgan County will ever be really productive.

### Moultrie County

(fig. 19, area 14)

Oil development in Moultrie County in 1955 was the most promising in its history. Previously the county had one pool, Gays, consisting of a single Aux Vases well. Discovered in 1946, Gays was abandoned in 1950 after producing less than 500 barrels of oil.

In 1955, nine wells were completed in the county, of which four were producing wells in the revived Gays pool. Three of these wells were reported as producing from the Aux Vases sandstone and one as a dual completion in the Aux Vases and the Devonian.

For the first few months of 1955 considerable interest was shown in Moultrie County. However, the four producing wells were small, their production for the year being only 11,000 barrels. Two dry holes were drilled in the pool, and three unsuccessful wildcats.

### Perry County

(fig. 14, area 9)

Thirteen wells were drilled in Perry County in 1955, all of which were unsuccessful wildcats. This is slightly above the average amount of drilling for Perry County. In 1952, when the Tamaroa pool was being developed, 33 wells were drilled. However, the normal annual rate is between five and ten wells.

The Tamaroa pool, producing from the Cypress sandstone, made 20,000 barrels of oil in 1955 for a total of 167,000 barrels. There are two Cypress gas wells in the pool, but no gas has been marketed.

The only other pool in Perry County is the Craig pool, consisting of one abandoned Trenton well that made about 2,000 barrels of oil.

Although results of testing in Perry County have been disappointing, it lies within the area having the best possibilities for oil accumulation. Further exploratory drilling in Perry County is needed to determine its oil potential.

### Pike County

(fig. 21, area 16)

The Pittsfield, or Pike County, gas pool was discovered in 1886 and is the second oldest pool in Illinois. Only Litchfield, in Montgomery County, is older. However the gas was not marketed until 1905, by which time several other pools had been discovered in the western part of the state.

The Pittsfield Gas pool consisted of 68 gas wells covering almost 9,000 acres, nearly half the total acreage of the state's gas pools. The pool was abandoned in 1930 and no production data are available. The pay was in the Silurian.

During the 25 years following the abandonment of the Pike County gas pool, an average of one or two dry holes was drilled annually in the county.

In 1955 a second gas pool, Fishhook, was discovered. By the end of the year six gas wells had been completed in the pool, five in Pike County and one in Adams. All were shut in. More wells were being drilled as 1955 ended, but no commercial outlet for the gas had been found. Production is from the Silurian at a depth of about 500 feet.

In addition to the gas wells, five dry wildcats also were completed in 1955. A sufficient number of wells were being drilled at the end of the year to indicate that 1956 would be one of Pike County's biggest drilling years.

### Randolph County

(fig. 24, area 19)

As a result of the discovery of the Tilden pool in 1952, drilling in Randolph County had averaged between 20 and 25 wells annually for three years. Only 10 wells were drilled in Randolph in 1955, three of them producers—two in the Tilden pool and one in Baldwin. Seven were unsuccessful wildcats.

Randolph County production is almost entirely from the Tilden pool. Since its discovery in 1952, Tilden has produced 1,591,000 barrels of oil, including 300,000 barrels during 1955.

The only other oil pool in Randolph County is Baldwin, which has two wells and

has produced less than 4,000 barrels of oil, all of it during 1955.

The Sparta area produced a little Cypress gas and oil between 1888 and 1900 and again in 1949. Production data are lacking, but quantities of both oil and gas were negligible. The Silurian, which produces in both Tilden and Baldwin pools, is the only commercial pay in Randolph County.

### Richland County

(fig. 13, area 8)

Richland County was one of the few important oil producing counties to show a decrease in drilling in 1955 in contrast to the increase for Illinois as a whole. The number of completions dropped from 122 in 1954 to 113 in 1955.

The percentage of successful completions was high, 78 of the 113 wells being completed as producers. Dry holes included 26 pool tests and 9 wildcats. One new pool, Wakefield South, was discovered. At the end of the year only one well had been completed in the new pool and no additional drilling had been started.

Most of the production in Richland County is from the Clay City Consolidated pool. Estimated production for 1955 in the Richland County part of the pool was 2,000,000 barrels, making an estimated cumulative total of 42,000,000 barrels.

Excluding the Clay City Consolidated pool, Richland County has produced about 16,555,000 barrels of oil, of which 645,000 barrels was produced in 1955. This oil has come from 21 pools, including five that produced no oil during 1955 and 10 that produced less than 15,000 barrels each. Most of the oil has come from six pools: Calhoun Consolidated, Dundas East, Olney Consolidated, Olney South, Parkersburg Consolidated, and Stringtown.

Most of the Richland County pools were discovered and developed in the late 1930's or early 1940's. New pool discoveries in the past 10 years have been rare and of minor importance. In 1955 only 12 wildcat wells were drilled. In proportion to total drilling, this is only about one-third as high as the rate for the entire state. All 12 were less than two miles from production. Three were successful, discovering Wakefield South and two extensions to pools.

The future of Richland as an oil industry county appears to be in the expansion of secondary recovery operations and the development of new pay zones rather than in the discovery of new pools. Only a few wells now produce from pre-Ste. Genevieve pays in the Mississippian, and less than a dozen tests have been made to the Devonian or deeper pays.

### St. Clair County

(Fig. 24, area 19)

A new pool, Freeburg South, was discovered in St. Clair County in 1955. The discovery well had an initial production of eight barrels of oil and 11 of water from the Cypress sandstone. One dry offset well was drilled in December, and a well drilled prior to the discovery of the pool formed a second dry offset. Prospects for further development of the pool are slight.

Sixteen wells were drilled in St. Clair County in 1955, 14 of them unsuccessful wildcats, one the successful wildcat that discovered Freeburg South, and one a dry hole offsetting the latter well.

Dupo remains the only commercial pool in St. Clair County. Discovered in 1928, it had produced 2,810,000 barrels of oil by the end of 1955. The entire pool was shut down late in 1954, but 30 wells were put back into production in 1955 and produced 28,000 barrels during the year.

### Saline County

(fig. 6, area 1)

Saline County, which ranked ninth in the state in number of wells drilled in 1954, moved up into second place in 1955. The number of wells completed increased from 140 in 1954 to 335 in 1955. Most of the 1955 drilling was in the Eldorado area, and was discussed above.

The 335 wells include 193 oil or gas wells, 87 dry holes, and 75 unsuccessful wildcats. Eight new pools were discovered: Cottage Grove, Eldorado West, Francis Mills South, Harco East, Harrisburg South, Long Branch South, Mitchellsville, and Raleigh South.

At the end of the year none of the new pools had more than two wells except Raleigh South, which had six. Harco East, with two wells completed, had others drilling and looked promising. There were also 13 new extensions to pools in Saline County during the year.

Saline County oil production showed a very great increase in 1955, most of it from the Eldorado Consolidated pool. Until 1953 peak production for the county had been 79,000 barrels in 1946. In 1953, when development of the Eldorado area began, production was 204,000 barrels. In 1954, it jumped to 791,000 barrels, and in 1955 to 4,099,000 barrels. Total production for the county, from 1941 when the first pool was discovered, through 1955, is 5,551,000 barrels.

Production was reported for 16 pools in 1955. Two others were abandoned, and two were late-year discoveries that had not yet marketed oil by the end of the year. Ten of the 16 pools reported production for the year of 1,000 to 16,000 barrels. The Eldorado Consolidated pool produced 3,523,000 barrels, or about 86 percent of the county's total production. The remaining ½ million barrels came from the five other biggest pools in the county: Eldorado East, Dale Consolidated (formerly West End), Harrisburg, Raleigh, and Raleigh South.

Both drilling and production rates decreased in the latter part of 1955, but should remain comparatively high in 1956, although below the 1955 level unless a new Eldorado area of production is discovered.

## Sangamon County

(fig. 18, area 13)

At the end of 1954 hopes were high for the discovery and development of oil pools in Sangamon County during 1955, although only three oil wells had previously been completed there. Two of these had been drilled in the Roby pool, one in 1949 (abandoned in 1951) and one in 1954. The third well was the discovery well of the New City pool, drilled in December of 1954, when exploratory drilling moved westward from the rapidly developing Decatur-Mt. Auburn area into Sangamon County.

In 1955 two more oil wells were added to the New City pool, one new pool (Glenarm) was discovered, and four wells in the Edinburg West pool (a Christian County pool) were drilled in Sangamon County. In 1955 Sangamon County marketed its first oil through regular pipeline outlets. The Edinburg West wells produced 31,000 barrels and the New City pool 28,000, making a 1955 total of 59,000 for the county.

There was no drilling in Sangamon County in 1953. In 1954, seventeen wells were drilled, and in 1955 the number increased to 49. Only seven were successful; nine were dry holes in pools, and 33 were unsuccessful wildcats.

Sangamon County is outside the area of best prospects for oil. All production so far has been from the eastern part of the county, within five miles of Christian County. It remains doubtful that new pools will be discovered to the west or north.

All Sangamon County production is from Silurian limestones. There is no Mississippian or Pennsylvanian production in or near Sangamon.

## Shelby County

(fig. 19, area 14)

Although Shelby County lies within the deep part of the Illinois basin where productive possibilities are best and most of its surrounding counties have at least one good pool and good production records, Shelby drilling and production both have been disappointing.

Four wells were drilled in 1955, all of them dry wildcats. This is about normal for Shelby County. In 1946, completions reached a high of 46 for the year, including nine producing wells. Only 26 producing wells ever have been drilled in Shelby County, seldom more than two in a year, and none since 1952.

Three pools, Stewardson, Shelbyville, and Shelbyville East (abandoned) have Aux Vases production only, Clarksburg has Bethel only, and Lakewood has both.

Lakewood is the largest pool in Shelby County. It has accounted for about 225,000

barrels of the 423,000 barrels of oil produced in the county, 11,000 of them in 1955. Stewardson, the oldest pool in the county, produced 9,000 barrels in 1955 for a total of 152,000 barrels. Shelbyville and Shelbyville East have produced 27,000 barrels, less than 2,000 of it during 1955, and Clarksburg about 19,000 barrels, including about 2,000 in 1955.

### Wabash County

(FIG. 8, AREA 3)

Although Illinois as a whole showed big increases in both drilling and production in 1955, Wabash County showed fairly large decreases in both.

Wabash is one of the most densely drilled counties. Only 144 wells were drilled in 1955, compared with 203 in 1954. Of the 144 wells, 73 were oil wells, 61 were dry holes in pools, and only 10 were wildcats, all of them less than two miles from production. No successful wildcat was drilled in Wabash County in 1955 and new pool discoveries are certain to be rare in the future because of the comparatively small amount of untested acreage remaining.

Wabash County dropped from fifth place in the state in drilling in 1954 to tenth place in 1955. The future of Wabash County oil production will depend largely on developing new pay zones and expanding secondary recovery operations.

Production decreased from an estimated 3,623,000 barrels in 1954 to an estimated 3,214,000 barrels in 1955. About half the county's production is from the New Harmony Consolidated pool, which extends into White and Edwards counties. The breakdown of production figures among the three counties is estimated. Total production for the county is about 65,875,000 barrels.

Most of the 73 new oil wells drilled during 1955 were in the Allendale, Mt. Carmel, and New Harmony Consolidated pools. The Mt. Carmel pool showed an increase in production from 318,000 barrels in 1954 to 452,000 barrels in 1955. Production in the Allendale pool increased from 539,000 barrels to 570,000 barrels. The Allendale pool extends into Lawrence County, but no attempt has been made to divide the production between the counties. Other pools in the county had little or no drilling and most showed a decrease in production.

### Washington County

(FIG. 14, AREA 9)

Washington County was among the counties showing the largest increases in drilling in 1955. The number of wells drilled increased from 80 in 1954 to 131 in 1955, the second largest number in the history of the county.

High point in Washington County drilling was the discovery of the Cordes pool in 1939, which resulted in the drilling of 133 wells that year. Discovery of the Irvington pool the following year kept drilling up for a time, after which it dropped off to a low of 10 wells, all dry, in 1950. Since 1950 Washington County has shown a fairly consistent increase in drilling and an improved rate of production.

More important than the increase in drilling in 1955 was the increased percentage of successful completions. In 1954 less than one-third of the new wells were producers; in 1955, 67 out of 131, or more than half, were successful. The Dubois Consolidated pool is responsible for much of the new drilling, 42 of the 67 producing wells are in that pool.

Washington County pools produced 1,020,000 barrels of oil in 1955, making a cumulative production of 14,741,000 barrels. Most of the oil came from the five biggest pools, but a dozen small ones each made from less than 1,000 up to 23,000 barrels.

Cordes, the oldest and largest pool, produced 325,000 barrels in 1955 to bring its total production up to 7,027,000 barrels, all from the Bethel sandstone.

The Irvington pool ranks second. Its production until 1954 was from the Bethel sandstone and a few Cypress and Devonian wells. In 1954 and 1955, 23 Cypress and three Devonian wells were added to the pool. Production increased a little in 1954 and then spurted to 247,000 barrels in 1955. Total production for the Irvington pool is 5,747,000 barrels.

The Dubois Consolidated pool was discovered in 1939 and "rediscovered" in 1955. Up to the end of 1954, 21 oil wells and eight shut-in gas wells had been drilled. Annual production for the pool ranged from 9,000 to 36,000 barrels of oil. In 1955, 42 oil wells were drilled, twice as many as in the previous 16 years of the pool's existence. Production jumped to 147,000 barrels for 1955, boosting the total production to 431,000 barrels. The eight gas wells, drilled in 1947 and 1948, were still shut in, but prospects for marketing the gas seem to have improved. The gas is in the Cypress sandstone and the oil in the Cypress and Bethel sandstones.

The Irvington North pool, only three years old, has produced 360,000 barrels of oil, 134,000 during 1955. The Cypress sandstone was opened up as a new pay in 1955. Previously all production had been from the Bethel sandstone.

Beaucoup South produced 80,000 barrels of oil from the Bethel sandstone in 1955, bringing its total production up to 336,000 barrels.

The 64 dry holes drilled in Washington County during the year included 27 in pools and 37 wildcats.

### Wayne County

(fig. 12, area 7)

Although drilling in Illinois increased 20 percent in 1955 over the 1954 rate, Wayne County drilling decreased 40 percent—from 419 wells completed in 1954 to 252 in 1955—the biggest decrease for any major oil producing county. Wayne had been among the three top drilling counties from 1941 through 1954, frequently ranking first or second. In 1955 Wayne dropped to fourth place, far behind White and Saline counties, but only three wells behind third-place Lawrence County.

There is no reason to anticipate an increase in drilling in Wayne County in 1956, but it probably will regain its place among the top three counties, as drilling was decreasing in Saline County by the end of 1955.

The 252 wells completed in Wayne County in 1955 included 166 oil wells, 65 pool dry holes, and 21 unsuccessful wildcats. No new pool was discovered during the year, but five successful wildcats opened up extensions to pools. No new pays were discovered and no deep tests made.

Over half the oil produced in Wayne County has come from the Clay City Consolidated pool, which has produced an estimated 73,600,000 barrels of oil in Wayne County, including 3,600,000 barrels in 1955. County production excluding Clay City Consolidated was 3,233,000 barrels in 1955, making a cumulative total of about 56,500,000 barrels.

Wayne County has the second highest number of pools, being surpassed only by White County. During 1955, 29 pools in Wayne County produced oil; four other pools previously had been abandoned.

Nine Wayne County pools have produced over a million barrels of oil each. These include, besides Clay City Consolidated, Johnsonville Consolidated with 29,467,000 barrels, Aden Consolidated with 7,573,000 barrels, Goldengate Consolidated with 4,186,000 barrels, Barnhill with 3,704,000 barrels, and four pools with production between 1,000,000 and 2,000,000 barrels—Ellery Consolidated, Keenville, Coil, and Half Moon.

Wayne County in 1955 remained among the leading producing counties, although its total production is still greatly exceeded by that of half a dozen counties that had produced large quantities of oil before Wayne County development was well established.

### White County

(fig. 7, area 2)

In 1955 White County ranked first in the state in both drilling and production. It had 478 wells completed, almost one-eighth of Illinois' total number of completions (3,885), and produced approximately 10,000,000 barrels of oil, or almost one-eighth of the state's total production (81,131,000 barrels).

In cumulative production White County is surpassed by Lawrence and Crawford counties, which had production 30 years earlier, and Fayette and Marion counties, where Louden and Salem Consolidated were at peak production around 1940 before

White County development was well underway. White County has surpassed all four of these counties in annual production during recent years.

The 478 wells drilled in 1955 include 304 producing wells, 142 dry holes in pools, and 32 wildcats. One new pool, Centerville Northeast, was discovered; only one small well had been completed in the pool at the end of the year.

About half of the new producing wells were in the White County parts of Roland Consolidated, Maunie North Consolidated, and New Harmony Consolidated pools. The rest of the new wells were widely distributed among White County's 29 producing pools.

Approximately half of White County's production comes from two pools: the White County portions of Roland Consolidated and New Harmony Consolidated. This production in 1955 was estimated at almost half a million barrels. The 27 other pools in the county produced 5,051,000 barrels of oil in 1955.

Seven pools (Phillipstown Consolidated, Maunie North Consolidated, Maunie South, Herald Consolidated, Centerville East, Mill Shoals, and Storms Consolidated), each of which produced between 300,000 and 1,000,000 barrels for 1955, had a combined production of about 3,750,000 barrels; the county's remaining 1,300,000 barrels was produced by 20 smaller pools.

White is one of the most closely drilled counties. The present rate of drilling cannot continue many years more, but at the end of 1955 no decline was yet apparent.

### Williamson County

(fig. 23, area 18)

As a result of the very successful drilling in Saline County in 1955, Williamson County had its biggest year of drilling. Fifteen wells were drilled, one a dry hole in the Marion pool and the others unsuccessful wildcats.

The only oil so far produced in Williamson County has been a few hundred barrels from an Aux Vases sandstone well near Marion. However, there is good Aux Vases and Ste. Genevieve production in four pools within three miles of the northeast corner of Williamson County in Franklin (Thompsonville pool) and Saline (Dale Consolidated, Harco, and Harco East pools) counties. Most of the drilling in Saline County in these three pools was done in 1954 and 1955. If they continue to develop toward Williamson County, it is reasonable to anticipate continued exploratory drilling in Williamson County.

### Other Counties

Unsuccessful wildcat wells were drilled during 1955 in 16 counties that have had no oil or gas production. Four wells were drilled in Jersey County, three each in Kankakee and Schuyler counties, and two each in Iroquois, Johnson, and Mercer counties.

One unsuccessful wildcat was drilled in each of the following 10 counties: Cass, Champaign, Fulton, Hardin, Livingston, Logan, Piatt, Pope, Union, and Vermilion.

## OIL PRODUCING STRATA OF ILLINOIS

(SEE FIG. 3, PAGE 23)

Oil production from sandstones in the upper two groups of Pennsylvanian age, the McLeansboro and Carbondale groups, is very minor; Tradewater and Caseyville sandstones have yielded about one-sixth of the state's oil. The sand grains in Pennsylvanian sandstones are a little coarser and less well rounded than those lower in the section, but the majority are classed as subangular and fine to medium (averaging perhaps 1/60th of an inch in diameter). The sandstones are generally dirtier than the pre-Pennsylvanian sandstones; they have more mica flakes, more clay, and in general more minerals other than quartz. Some of these sandstones, particularly in the upper part of the Pennsylvanian, rank technically as subgraywackes rather than as high-quartz sandstones. Porosity is quite low in the Pennsylvanian sandstones in general but averages about 18 percent in the cleaner sandstones, including most of the oil reservoirs represented in the pools of the Southeastern Illinois field. Occasional spots in the basal Pennsylvanian beds have very high porosity—among the highest of any Illinois rocks—with values of about 30 percent. Permeability is in general moderate. The original low gas content of many Pennsylvanian oils resulted in rather low primary recovery and together with shallow depth makes the Pennsylvanian reservoirs particularly attractive for secondary recovery. Despite the fact that little oil has been found in the Pennsylvanian in 1954 and other recent years, Pennsylvanian production has been increasing, owing to the development of secondary recovery projects.

Chester sandstones have to date produced more than one-half of Illinois' oil and the proportion is mounting. The higher sandstones, the Degonia, Clore, and Palestine, are of little consequence and are productive only in the region of the lower Wabash Valley. The middle sandstones, Waltersburg, Tar Springs, and Hardinsburg, are more productive with some very prolific pools, but significant accumulations are confined to a relatively small area in the southern and eastern oil counties. The Jackson sandstone of Indiana and Kentucky barely enters Illinois.

The lower Chester sandstones in general, and the Cypress in particular, are productive nearly throughout the oil country and are the sinews of the Illinois oil industry.

Chester sandstones are physically quite similar to each other, except for the Aux Vases. The sand grains are largely very fine to fine (averaging about 1/100th of an inch in diameter) and subrounded to subangular. Mica, clay, and minerals other than quartz are less common than in the Pennsylvanian. Probably all productive sandstones are technically quartzose; a few tight, dirty, shaly sandstones are subgraywackes. Porosity is commonly around 20 percent and ranges in the productive sections from about 15 percent to about 25 percent.

The Aux Vases west of the principal meridian is similar to the other Chester sandstones but carries little oil. Where the Aux Vases is most prolific, in the central part and up the east flank of the basin, many of its properties contrast sharply with those of more typical Chester sandstones. The sand grains are smaller, in the very fine sand and coarse silt range, about 1/150 inch in diameter, and are well sorted. That is, there is relatively little difference between the smallest grains, about 1/200 of an inch, and the largest, about 1/100 of an inch. The fine grain is the key to most of the distinctive characteristics of the Aux Vases. Smaller grains tend to be less well rounded and have more nonquartz minerals than larger grains from the same source. A slight "peppering" of pink, green, and dark grains is characteristic of the Aux Vases under the usual oil-field binocular microscope, but careful laboratory measurements are needed to show its greater angularity. Almost all oil sands are preferentially water-wet, a film of water covering each sand grain. Even in the oil-bearing part of a reservoir, oil fills only the central parts of the pores. These water films occupy about 30 percent of the total porosity in the oil zone of most Chester sandstones; the water content of oil-bearing Aux Vases with smaller grains (and thus smaller but more numerous pores) is about 50 percent of the total porosity. The total porosity of the fine-grained and well-

sorted Aux Vases is a bit higher, averaging perhaps 22 percent, with a range of 15 percent to 30 percent, as compared to an average of 20 percent or less for other Chester sands. The high water content makes oil more difficult to recognize than in other sandstones, and Aux Vases production was sometimes passed by during the earlier stages of exploration. Fine-grained reservoirs react spectacularly to hydraulic fracturing. Although the Aux Vases has produced less oil in the past than the Benoist (Bethel) and Cypress sands, it is probably leading in current production and is by far the most important single horizon in current development.

Chester limestone production is insignificant, although a little oil has come from limestones in several formations.

The most prolific reservoirs in the lower Mississippian rocks are oolitic limestones, which have produced one-fifth of Illinois' oil. Most important is the McClosky zone, which consists of porous lenses of oolitic limestone in the Fredonia member of the Ste. Genevieve formation. The oolitic Ohara or Lower Ohara pay zone in the Levias member and oolitic streaks at the horizon of the Rosiclare member of the Ste. Genevieve are quite similar to the McClosky, as are oolites in the St. Louis and Salem formations.

Oolitic limestones are made up of small balls, about 1/25 of an inch in diameter, of chemically deposited layers of calcium carbonate. The layers, like onion rings, form around a nucleus—a sand grain, a silt grain, a small fossil, a fragment of rock, or a speck of dust. In much oolitic limestone the individual oolites are enclosed in fine-grained limestone and the rock is non-porous. The pay zones differ in having some free pore space between the oolites. There are minor differences between beds; Ohara oolites are typically large, about 1/20 of an inch in diameter; St. Louis oolites are small, about 1/50 of an inch; Rosiclare oolites tend to have fair-sized sand grains for centers; Salem oolites include many microscopic fossils covered with only thin rims of chemically precipitated calcium carbonate.

The typical oolite reservoir has about 15 percent porosity, less than most sandstones. Permeability, the rate at which a fluid can flow through rock, is relatively high, so oil production tends to decline rather rapidly after a spectacular initial flush period of a few months. The water content in the oil zone is low, around 10 to 20 percent. Hydraulic fracturing is not particularly helpful, but in most instances productivity can be increased greatly by acidizing. Waterflooding of the oolitic reservoirs is simple, but as primary recovery is generally high, less oil is left for secondary recovery than in the sandstone reservoirs.

The two lower Mississippian productive sandstones have quite different characteristics. The Rosiclare zone is a typical oolite in the southern and eastern oil counties, with occasional sand grains accompanying the oolites. Toward the northwest the sand grains become more numerous and production is obtained from a slightly limy sandstone, a bit coarser than the average Chester sandstone. Present over much of the northern part of the basin is the Carper, an extremely fine grained sandstone, in most places actually a siltstone. It has had occasional oil shows, but at only one spot in Clark County has it been open enough to produce significant amounts of oil.

Devonian production comes from sandstones, limestones, dolomites, and cherts, and is difficult to characterize briefly. The sandstones, at three or four different horizons, produce only a fraction of a percent of Illinois' total oil. They contain relatively numerous large well-rounded grains 1/50 of an inch or more in diameter, although the average grain diameter may be little greater than that of Chester sandstones.

The Devonian dolomites, cherty dolomites, and dolomitic limestones are more prolific, producing perhaps 5 percent of the Illinois oil. The pure dolomites are composed of partially interlocked "sugary" lozenge-shaped crystals of the mineral dolomite, calcium magnesium carbonate. The crystals are generally 1/400 to 1/100 of an inch in diameter. Porosity between the crystals is about 20 to 25 percent in pure dolomites but less where only part of the rock is dolomite. Where extensive systems of large cavities, or vugs, are present, phenomenal initial production

has resulted. The existence of three types of porosity—that between the crystals, in vugs, and in fractures—has made the planning of secondary recovery programs difficult.

Silurian production, approaching one percent of Illinois' total, is from two quite different types of rock. Much Silurian dolomite in the southern part of Illinois is too fine-grained for production, but occasional streaks, generally purer, are coarse enough to approach the lower limit of productive dolomite rock. As might be expected, this fine-grained rock reacts favorably to fracturing but poses problems in waterflooding. Silurian "coral" reefs in the northern part of Illinois are dolomitized, porous, and very permeable. In the oil area the reefs are limestone with very low porosity but have a few vugs and an extensive fracture system that may contain oil. Silurian reef rock produces oil from Marion County westward.

Intergranular porosity, between relatively large (in the 1/10-inch range) crystals of calcium carbonate and fossil fragments, is of greatest importance in the Trenton limestone, which has produced less than one percent of Illinois' oil. The limestone generally is quite dense and its porosity is in the 5 to 10 percent range, even in the scattered productive streaks. Porosity and permeability increase westward across the western part of the oil area, and fractures are of considerable importance in the westernmost pools. Acidizing is a common completion practice, and it seems likely that hydraulic fracturing will be of relatively little help.

TABLE 9.—ILLINOIS OIL AND GAS POOLS*
January 1, 1956

| Pool: County | Township | Range |
|---|---|---|
| Ab Lake: Gallatin | 8S | 10E |
| Ab Lake West: Gallatin | 8–9S | 9–10E |
| Aden Consol.: Wayne, Hamilton | 2–3S | 7E |
| Aden South: Hamilton | 3S | 7E |
| Akin: Franklin | 6S | 4E |
| Akin West: Franklin | 6S | 4E |
| Albion Central: Edwards | 2S | 10E |
| Albion Consol.: Edwards, White | 1–3S | 10–11E, 14W |
| Albion East: Edwards | 2S | 14W |
| Albion West: Edwards | 3S | 10E |
| Allendale: Wabash, Lawrence | 1–2N | 11–13W |
| Alma: Marion | 4N | 2E |
| Amity: Richland | 4N | 14W |
| Amity South: Richland | 4N | 14W |
| Amity West: Richland | 4N | 14W |
| Ashley: Washington | 2S | 1W |
| Assumption Consol.: Christian | 13–14N | 1E |
| Assumption South: Christian | 12N | 1E |
| Ava-Campbell Hill: Jackson | 7S | 4W |
| Ayers gas: Bond | 6N | 3W |
| Baldwin: Randolph | 4S | 6W |
| Barnhill: Wayne | 2–3S | 8E |
| Bartelso: Clinton | 1–2N | 3W |
| Bartelso East: Clinton | 1N | 3W |
| Bartelso South: Clinton | 1N | 3W |
| Bartelso West: Clinton | 1N | 3–4W |
| Beaucoup: Washington | 2S | 2W |
| Beaucoup South: Washington | 2S | 2W |
| Beaver Creek: Bond, Clinton | 3–4N | 2–3W |
| Beaver Creek North: Bond | 4N | 3W |
| Beaver Creek South: Clinton, Bond | 3–4N | 2–3W |
| Bellair: Crawford, Jasper | 8N | 14W |
| Belle Prairie: Hamilton | 4S | 6E |
| Belle Rive: Jefferson | 3S | 4E |
| Bellmont: Wabash | 1S | 13–14W |
| Beman: Lawrence | 3N | 11W |
| Beman East: Lawrence | 3N | 10W |
| Bennington South: Edwards | 1N | 10E |
| Benton: Franklin | 6S | 2–3E |
| Benton North: Franklin | 5–6S | 2E |
| Berryville Consol.: Wabash, Edwards | 1–2N | 14W |
| Bessie: Franklin | 6S | 3E |
| Bible Grove North: Effingham | 6N | 7E |
| Bible Grove South: Clay | 5N | 7E |
| Blackland: Macon, Christian | 15N | 1E–1W |
| Black River: White | 4S | 13W |
| Blairsville West: Hamilton | 4S | 7E |
| Bogota: Jasper | 6N | 9E |
| Bogota North: Jasper | 6N | 9E |
| Bogota South: Jasper | 5–6N | 9E |
| Bone Gap Consol.: Edwards | 1S | 10–11E, 14W |
| Bone Gap East: Edwards | 1S | 14W |
| Bone Gap West: Edwards | 1S | 10E |
| Boulder: Clinton | 2–3N | 2W |
| Boulder East: Clinton | 3N | 1W |
| Boyd: Jefferson | 1S | 1–2E |
| Broughton: Hamilton | 6S | 7E |
| Broughton South: Saline | 7S | 7E |
| Brown: Marion | 1N | 1E |
| Browns: Edwards, Wabash | 1–2S | 14W |
| Browns East: Wabash | 1–2S | 14W |
| Browns South: Edwards | 2S | 14W |
| Bungay Consol.: Hamilton | 4S | 7E |

*Includes abandoned pools.

TABLE 9.—(Continued)

| Pool: County | Township | Range |
|---|---|---|
| Burnt Prairie South: White | 4S | 9E |
| Calhoun Central: Richland | 2N | 10E |
| Calhoun Consol.: Richland, Wayne | 2–3N | 9–10E |
| Calhoun East: Richland | 2N | 10–11E |
| Calhoun North: Richland | 3N | 10E |
| Calhoun South: Wayne | 2N | 9E |
| Cantrell North: Hamilton | 6S | 5E |
| Carlinville: Macoupin | 9N | 7W |
| Carlinville North: Macoupin | 10N | 7W |
| Carlyle: Clinton | 2N | 3W |
| Carlyle North: Clinton | 3N | 3W |
| Carlyle South: Clinton | 1N | 3W |
| Carmi: White | 5S | 9E |
| Carmi North: White | 5S | 9E |
| Casey: Clark | 10–11N | 14W |
| Centerville: White | 4S | 9E |
| Centerville East: White | 3–4S | 9–10E |
| Centerville North: White | 3S | 10E |
| Centerville Northeast: White | 3S | 10E |
| Centralia: Clinton, Marion | 1–2N | 1E, 1W |
| Centralia West: Clinton | 1N | 1W |
| Christopher Consol.: Franklin | 6S | 1E |
| Claremont: Richland | 3N | 14W |
| Clarksburg: Shelby | 10N | 4E |
| Clay City Consol.: Clay, Wayne, Richland, Jasper | 1–7N, 1–2S | 6–10E |
| Clay City West: Clay | 2N | 7E |
| Coil: Wayne | 1S | 5E |
| Coil West: Jefferson | 1S | 4E |
| Collinsville: Madison | 3N | 8W |
| Colmar-Plymouth: Hancock, McDonough | 4N | 4–5W |
| Concord Consol.: White | 6S | 10E |
| Concord East Consol.: White | 6–7S | 10E |
| Cooks Mills Consol.: Coles | 13–14N | 7–8E |
| Cooks Mills East: Coles | 14N | 7E |
| Cordes: Washington | 3S | 3W |
| Cottage Grove: Saline | 9S | 7E |
| Covington South: Wayne | 2S | 6E |
| Craig: Perry | 4S | 4W |
| Cravat: Jefferson | 1S | 1E |
| Crossville: White | 4S | 10E |
| Crossville West: White | 4S | 10E |
| Dahlgren: Hamilton | 3S | 5E |
| Dale Consol.: Hamilton, Saline, Franklin | 5–7S | 4–7E |
| Decatur: Macon | 16N | 2E |
| Decatur North: Macon | 17N | 3E |
| Divide: Jefferson | 1S | 3E |
| Divide East: Jefferson | 1S | 4E |
| Divide South: Jefferson | 2S | 3E |
| Divide West: Jefferson | 1S | 3E |
| Dix South: Jefferson | 1S | 2E |
| Dubois: Washington | 3S | 1–2W |
| Dubois Central: Washington | 3S | 1W |
| Dudley: Edgar | 13–14N | 13W |
| Dudley West gas: Edgar | 13N | 13W |
| Dudleyville East: Bond | 4–5N | 2–3W |
| Dundas East: Richland, Jasper | 4–5N | 10E |
| Dupo: St. Clair | 1S, 1N | 10W |
| Eberle: Effingham | 6N | 6E |
| Edinburg: Christian | 14N | 3W |
| Edinburg South: Christian | 14N | 3W |
| Edinburg West: Christian, Sangamon | 14N | 3–4W |
| Elba: Gallatin | 8S | 8E |
| Elbridge: Edgar | 12–13N | 11W |

TABLE 9.—(Continued)

| Pool: County | Township | Range |
|---|---|---|
| Eldorado Consol.: Saline | 8S | 6–7E |
| Eldorado East: Saline | 8S | 7E |
| Eldorado West: Saline | 8S | 6E |
| Elk Prairie: Jefferson | 4S | 2E |
| Elkton: Washington | 2S | 4W |
| Elkville: Jackson | 7S | 1W |
| Ellery Consol.: Edwards, Wayne | 2S | 9–10E |
| Ellery East: Edwards | 2S | 10E |
| Ellery North: Edwards | 2S | 10E |
| Ellery South: Edwards | 2–3S | 10E |
| Elliottstown: Effingham | 7N | 7E |
| Elliottstown East: Effingham | 7N | 7E |
| Elliottstown North: Effingham | 7N | 7E |
| Enfield: White | 5S | 8E |
| Epworth Consol.: White | 5S | 9–10E |
| Evers: Effingham | 8N | 7E |
| Evers South: Effingham | 7N | 7E |
| Ewing: Franklin | 5S | 3E |
| Exchange: Marion | 1N | 3E |
| Exchange East: Marion | 1N | 4E |
| Exchange North: Marion | 1N | 3E |
| Fairman: Marion, Clinton | 3N | 1E, 1W |
| Fishhook: Pike, Adams | 3S | 4–5W |
| Fitzgerrell: Jefferson | 4S | 1E |
| Flora South: Clay | 2N | 6E |
| Francis Mills: Saline | 7S | 7E |
| Francis Mills South: Saline | 7S | 7E |
| Freeburg South: St. Clair | 1S | 7W |
| Friendsville Central: Wabash | 1N | 13W |
| Friendsville North: Wabash | 1N | 12–13W |
| Frogtown: Clinton | 2N | 3–4W |
| Frogtown North: Clinton | 2–3N | 3–4W |
| Gards Point: Wabash | 1N | 14W |
| Gards Point North: Wabash | 1N | 14W |
| Gays: Moultrie | 12N | 6E |
| Gillespie-Wyen: Macoupin | 8N | 6W |
| Gillespie-Benld gas: Macoupin | 8N | 6W |
| Glenarm: Sangamon | 14N | 5W |
| Goldengate Consol: Wayne, White | 2–4S | 9E |
| Goldengate East: Wayne | 3S | 9E |
| Goldengate North Consol.: Wayne | 2S | 8–9E |
| Grandview: Edgar | 12–13N | 13W |
| Greenville gas: Bond | 5N | 3W |
| Half Moon: Wayne | 1S | 9E |
| Harco: Saline | 8S | 5E |
| Harco East: Saline | 8S | 5E |
| Harrisburg: Saline | 8S | 6E |
| Harrisburg South: Saline | 9S | 6E |
| Harristown: Macon | 16N | 1E |
| Herald Consol.: White, Gallatin | 6–7S | 9–10E |
| Hidalgo: Jasper | 8N | 10E |
| Hidalgo North: Cumberland | 9N | 9E |
| Hill: Effingham | 6N | 6E |
| Hill East: Effingham | 6N | 6E |
| Hoffman: Clinton | 1N | 2W |
| Hoodville East: Hamilton | 5S | 7E |
| Hord: Clay | 5N | 6E |
| Hord South: Clay | 5N | 6E |
| Hoyleton West: Washington | 1S | 2W |
| Huey: Clinton | 2N | 2W |
| Huey South: Clinton | 1–2N | 2W |
| Hunt City: Jasper | 7N | 10E |
| Hunt City East: Jasper | 7N | 14W |
| Hunt City South: Jasper | 7N | 11E |
| Ina: Jefferson | 4S | 2–3E |

TABLE 9.—(Continued)

| Pool: County | Township | Range |
|---|---|---|
| Ina North: Jefferson | 4S | 3E |
| Inclose: Edgar, Clark | 12N | 13–14W |
| Ingraham: Clay | 4N | 8E |
| Inman East Consol: Gallatin | 7–8S | 10E |
| Inman West Consol.: Gallatin | 7–8S | 9–10E |
| Iola Central: Clay | 5N | 5E |
| Iola Consol.: Clay, Effingham | 5–6N | 5E |
| Iola South: Clay | 4N | 5E |
| Iola West: Clay | 5N | 5E |
| Irvington: Washington | 1S | 1W |
| Irvington East: Jefferson | 1S | 1E |
| Irvington North: Washington | 1N, 1S | 1W |
| Iuka: Marion | 2N | 4E |
| Iuka West: Marion | 2N | 3E |
| Jacksonville gas: Morgan | 15N | 9W |
| Johnson North: Clark | 9–10N | 14W |
| Johnson South: Clark | 9N | 14W |
| Johnsonville Consol.: Wayne | 1N, 1S | 6–7E |
| Johnsonville North: Wayne | 1N | 6E |
| Johnsonville South: Wayne | 1S | 6E |
| Johnsonville West: Wayne | 1N | 5–6E |
| Junction: Gallatin | 9S | 9E |
| Junction City: Marion | 2N | 1E |
| Junction City South: Marion | 2N | 1E |
| Junction East: Gallatin | 8–9S | 9E |
| Junction North: Gallatin | 8–9S | 9E |
| Keensburg East: Wabash | 2S | 13W |
| Keensburg South: Wabash | 2–3S | 13W |
| Keenville: Wayne | 1S | 5E |
| Keenville East: Wayne | 1S | 5E |
| Kell: Jefferson | 1S | 3E |
| Kenner: Clay | 3N | 5–6E |
| Kenner North: Clay | 3N | 6E |
| Kenner West: Clay | 3N | 5E |
| Kenner South: Clay | 2N | 5E |
| Keyesport: Clinton | 3N | 2W |
| King: Jefferson | 3–4S | 3E |
| Kincaid: Christian | 13N | 3W |
| Kincaid South: Christian | 13N | 3W |
| Kinmundy: Marion | 4N | 3E |
| Kinmundy North: Marion | 4N | 3E |
| Laclede: Fayette | 5N | 4E |
| Lakewood: Shelby | 10N | 2–3E |
| Lancaster: Wabash, Lawrence | 1–2N | 13W |
| Lancaster Central: Wabash | 1N | 13W |
| Lancaster East: Wabash | 2N | 13W |
| Lancaster South: Wabash | 1N | 13W |
| Langewisch-Kuester: Marion | 1N | 1E |
| Lawrence: Lawrence, Crawford | 2–5N | 11–13W |
| Lawrence West: Lawrence | 3N | 13W |
| Lexington: Wabash | 1S | 14W |
| Lexington North: Wabash | 1S | 14W |
| Lillyville: Cumberland, Effingham | 8–9N | 6–7E |
| Litchfield: Montgomery | 8–9N | 5W |
| Livingston: Madison | 6N | 6W |
| Livingston East gas: Madison | 6N | 6W |
| Livingston South: Madison | 5–6N | 6W |
| Locust Grove: Wayne | 1N | 9E |
| Locust Grove South: Wayne | 1S | 9E |
| Long Branch: Saline, Hamilton | 7S | 6E |
| Long Branch South: Saline | 8S | 6E |
| Louden: Fayette, Effingham | 6–9N | 2–4E |
| Louisville North: Clay | 4N | 6E |
| Lynchburg: Jefferson | 3S | 4E |
| McKinley: Washington | 3S | 4W |

TABLE 9.—(Continued)

| Pool: County | Township | Range |
|---|---|---|
| Main: Crawford | 5–8N | 10–14W |
| Maple Grove Consol.: Edwards, Wayne | 1N | 9–10E |
| Maple Grove South: Edwards | 1N | 10E |
| Marcoe: Jefferson | 3S | 2E |
| Marine: Madison | 4N | 6W |
| Marion: Williamson | 9S | 3E |
| Markham City: Jefferson | 2–3S | 4E |
| Markham City North: Jefferson, Wayne | 2S | 4–5E |
| Markham City West: Jefferson | 2–3S | 4E |
| Martinsville: Clark | 9–10N | 13–14W |
| Mason: Effingham | 6N | 5E |
| Mason North: Effingham | 6N | 5E |
| Massilon: Wayne, Edwards | 1S | 9–10E |
| Massilon South: Edwards | 1S | 10E |
| Mattoon: Coles | 11–12N | 7–8E |
| Maunie East: White | 6S | 11E |
| Maunie North Consol.: White | 5–6S | 10–11E, 14W |
| Maunie South: White | 6S | 10–11E |
| Mayberry: Wayne | 2–3S | 6E |
| Mayberry North: Wayne | 2S | 6E |
| Melrose: Clark | 9N | 13W |
| Melrose South: Clark | 9N | 13W |
| Miletus: Marion | 4N | 4E |
| Mill Shoals: White, Hamilton, Wayne | 2–4S | 7–8E |
| Mills Prairie: Edwards | 1N | 14W |
| Mills Prairie North: Edwards | 1N | 14W |
| Mitchellsville: Saline | 10S | 6E |
| Mt. Auburn Consol.: Christian | 15N | 1–2W |
| Mt. Carmel: Wabash | 1N, 1S | 12W |
| Mt. Erie North: Wayne | 1N | 9E |
| Mt. Olive: Montgomery | 8N | 5W |
| Mt. Vernon: Jefferson | 3S | 3E |
| Murdock: Douglas | 16N | 10E |
| Nason: Jefferson | 3S | 2E |
| New Bellair: Crawford | 8N | 13W |
| New City: Sangamon | 14N | 4W |
| New Harmony Consol.: White, Wabash, Edwards | 1N, 1–5S | 13–14W |
| New Harmony South: White | 5S | 14W |
| New Harmony South (Ind.): White | 5S | 14W |
| New Haven Consol.: White | 7S | 10–11E |
| New Hebron East: Crawford | 6N | 12W |
| New Memphis: Clinton | 1N, 1S | 5W |
| New Memphis North: Clinton | 1N | 5W |
| New Memphis South: Clinton | 1S | 5W |
| Newton: Jasper | 6N | 9E |
| Newton North: Jasper | 7N | 10E |
| Newton West: Jasper | 6–7N | 9E |
| Noble West: Clay | 3N | 8E |
| Oakley: Macon | 16N | 3E |
| Oak Point: Clark | 9N | 14W |
| Oak Point West: Clark | 9N | 14W |
| Odin: Marion | 2N | 1–2E |
| Okawville: Washington | 1S | 4W |
| Okawville North: Washington | 1S | 4W |
| Old Ripley: Bond | 5N | 4W |
| Olney Consol.: Richland | 4N | 10E |
| Olney South: Richland | 3N | 10E |
| Omaha: Gallatin | 7–8S | 8E |
| Omaha East: Gallatin | 8S | 8E |
| Omaha South: Gallatin, Saline | 8S | 7–8E |
| Omaha West: Saline | 7–8S | 7E |
| Omega: Marion | 3N | 4E |
| Orchardville: Wayne | 1N | 5E |
| Oskaloosa: Clay | 3–4N | 5E |
| Oskaloosa East: Clay | 3N | 5–6E |

TABLE 9.—(Continued)

| Pool: County | Township | Range |
|---|---|---|
| Oskaloosa South: Clay | 3N | 5E |
| Pana: Christian | 11–12N | 1E |
| Panama: Bond, Montgomery | 7N | 3–4W |
| Parkersburg Consol.: Richland, Edwards | 1–3N | 10–11E, 14W |
| Parkersburg South: Edwards | 1N | 14W |
| Parkersburg West: Richland, Edwards | 2N | 10E |
| Passport: Clay | 4N | 8E |
| Passport South: Richland, Clay | 4N | 8–9E |
| Passport West: Clay | 4N | 8E |
| Patoka: Marion | 4N | 1E |
| Patoka East: Marion | 4N | 1E |
| Patoka South: Marion | 3N | 1E |
| Patoka West: Fayette | 4N | 1W |
| Phillipstown Consol.: White, Edwards | 3–5S | 10–11E, 14W |
| Phillipstown South: White | 5S | 10E |
| Pinkstaff: Lawrence | 4N | 11W |
| Pinkstaff East: Lawrence | 4N | 11W |
| Pittsfield gas: Pike | 5S | 4–5W |
| Plainview: Macoupin | 9N | 8W |
| Posen: Washington | 3S | 2W |
| Posen North: Washington | 3S | 2W |
| Posen South: Washington | 3N | 2W |
| Posey: Clinton | 1N | 2W |
| Posey East: Clinton | 1N | 2W |
| Posey West: Clinton | 1N | 3W |
| Prentice: Morgan | 16N | 8W |
| Raccoon Lake: Marion | 1N | 1E |
| Raleigh: Saline | 7–8S | 6E |
| Raleigh South: Saline | 8S | 6E |
| Raymond: Montgomery | 10N | 4–5W |
| Raymond East: Montgomery | 10N | 4W |
| Redmon North: Edgar | 14N | 13W |
| Reservoir: Jefferson | 1S | 3E |
| Richview: Washington | 2S | 1W |
| Ridgway: Gallatin | 8S | 8E |
| Riffle: Clay | 4N | 6E |
| Rinard: Wayne | 2N | 7E |
| Rinard North: Wayne | 2N | 7E |
| Ritter: Richland | 3N | 10–11E |
| Ritter North: Richland | 3N | 11E |
| Roaches: Jefferson | 2S | 1E |
| Roaches North: Jefferson | 2S | 1E |
| Roby: Sangamon | 15N | 3W |
| Rochester: Wabash | 2S | 13W |
| Roland Consol.: White, Gallatin | 5–7S | 8–9E |
| Roland West: Saline | 7S | 7E |
| Ruark: Lawrence | 2N | 12W |
| Ruark West Consol.: Lawrence | 2N | 13W |
| Rural Hill North: Hamilton | 5S | 5E |
| Russellville gas: Lawrence | 4–5N | 10–11W |
| Russellville West: Lawrence | 5N | 11W |
| St. Francisville: Lawrence | 2N | 11W |
| St. Francisville East: Lawrence | 2N | 11W |
| St. Jacob: Madison | 3N | 6W |
| St. Jacob East: Madison | 3N | 6W |
| St. James: Fayette | 5–6N | 2–3E |
| St. Paul: Fayette | 5N | 3E |
| Ste. Marie: Jasper | 5N | 11E–14W |
| Ste. Marie East: Jasper | 6N | 14W |
| Ste. Marie West: Jasper | 5–6N | 10E |
| Sailor Springs Central: Clay | 4N | 7–8E |
| Sailor Springs Consol.: Clay, Effingham | 3–6N | 6–7E |
| Sailor Springs East: Clay | 4N | 8E |
| Sailor Springs North: Clay | 4N | 8E |
| Salem Consol.: Marion, Jefferson | 1–2N, 1S | 1–2E |

TABLE 9.—(Continued)

| Pool: County | Township | Range |
|---|---|---|
| Samsville: Edwards | 1N | 11E |
| Samsville North: Edwards | 1N | 14W |
| Samsville Northwest: Edwards | 1N | 10E |
| Samsville West: Edwards | 1N | 10E |
| Sandoval: Marion | 2N | 1E |
| Sandoval West: Clinton | 2N | 1W |
| Santa Fe: Clinton | 1N | 3W |
| Schnell: Richland | 2N | 9E |
| Schnell East: Richland | 2N | 9E |
| Schnell South: Clay | 2N | 8E |
| Seminary: Richland | 2N | 10E |
| Sesser: Franklin | 5–6S | 1–2E |
| Shattuc: Clinton | 2N | 1W |
| Shawneetown: Gallatin | 9S | 9E |
| Shawneetown East: Gallatin | 9S | 10E |
| Shawneetown North: Gallatin | 9S | 10E |
| Shelbyville: Shelby | 11N | 4E |
| Shelbyville East: Shelby | 11N | 4E |
| Siggins: Cumberland, Clark | 10–11N | 10–11E, 14W |
| Sorento: Bond | 6N | 4W |
| Spanish Needle Creek gas: Macoupin | 9N | 7W |
| Sparta gas: Randolph | 4–5S | 5–6W |
| Sparta South: Randolph | 5S | 5W |
| Stanford South: Clay | 2N | 7E |
| Staunton: Macoupin | 7N | 7W |
| Staunton gas: Macoupin | 7N | 7W |
| Staunton West: Macoupin | 7N | 7W |
| Stewardson: Shelby | 10N | 5E |
| Storms Consol.: White | 5–6S | 9–10E |
| Stringtown: Richland | 4–5N | 11E–14W |
| Stringtown East: Richland | 4N | 14W |
| Stubblefield South: Bond | 4N | 3W |
| Sumner: Lawrence | 4N | 13W |
| Sumpter: White | 4S | 9E |
| Sumpter East: White | 4–5S | 10E |
| Sumpter North: White | 4S | 9E |
| Sumpter South: White | 4–5S | 9E |
| Sumpter West: White | 4S | 9E |
| Tamaroa: Perry | 4S | 1W |
| Taylor Hill: Franklin | 5S | 4E |
| Thackeray: Hamilton | 5S | 7E |
| Thompsonville: Franklin | 7S | 4E |
| Thompsonville East: Franklin | 7S | 4E |
| Thompsonville North: Franklin | 7S | 4E |
| Tilden: Randolph | 4S | 5W |
| Toliver East: Clay | 5N | 6–7E |
| Toliver South: Clay | 4N | 6E |
| Tonti: Marion | 2–3N | 2E |
| Tovey: Christian | 13N | 3W |
| Trumbull: White | 5S | 8–9E |
| Trumbull West: White | 5S | 8E |
| Valier: Franklin | 6S | 2E |
| Waggoner: Montgomery | 11N | 5W |
| Wakefield: Jasper | 5N | 9E |
| Wakefield North: Jasper | 5N | 9E |
| Wakefield South: Richland | 5N | 9E |
| Walpole: Hamilton | 6–7S | 6E |
| Walpole South: Hamilton | 7S | 6E |
| Waltonville: Jefferson | 3S | 2E |
| Wamac: Clinton, Marion, Washington | 1N | 1E |
| Wamac East: Marion | 1N | 1E |
| Warrenton-Borton: Edgar, Coles | 13–14N | 13–14W |
| Waterloo: Monroe | 1–2S | 10W |
| Waverly gas: Morgan | 13N | 8W |
| Weaver: Clark | 11N | 10W |

TABLE 9.—(Continued)

| Pool: County | Township | Range |
|---|---|---|
| West Frankfort: Franklin | 7S | 2–3E |
| Westfield: Clark, Coles | 11–12N | 11E–14W |
| Westfield East: Clark | 11–12N | 14W |
| Westfield North: Coles | 12N | 14W |
| Whittington: Franklin | 5S | 3E |
| Whittington South: Franklin | 5–6S | 3E |
| Whittington West: Franklin | 5S | 2E |
| Williams Consol.: Jefferson | 3S | 2E |
| Willow Hill East: Jasper | 6–7N | 10–11E |
| Woburn Consol.: Bond | 6–7N | 2W |
| Woodlawn: Jefferson | 2–3S | 1–2E |
| Xenia: Clay | 2N | 5E |
| Xenia East: Clay | 2N | 5E |
| York: Cumberland | 9N | 10–11E |
| Zenith: Wayne | 2N | 5E |
| Zenith North: Wayne | 2N | 6E |
| Zenith South: Wayne | 1N | 5E |

TABLE 10.—POOLS INCORPORATED INTO OTHER POOLS BY CONSOLIDATION

| Original pool name | Present pool assignment | Date of consol. | Original pool name | Present pool assignment | Date of consol. |
|---|---|---|---|---|---|
| Aden North | Aden Consol. | 1944 | Covington | Clay City Consol. | 1944 |
| Albion North | Albion Consol. | 1944 | Covington East | Clay City Consol. | 1948 |
| Allison-Weger | Main | 1955 | Cowling | New Harmony Consol. | 1947 |
| Assumption North | Assumption Consol. | 1953 | Dead River | New Haven Consol. | 1950 |
| Barnhill East | Goldengate Consol. | 1944 | Dix | Salem Consol. | 1954 |
| Bend | New Harmony Consol. | 1952 | Dubois West | Dubois | 1955 |
| Bennington | Maple Grove Consol. | 1952 | Dundas Consol. | Clay City Consol. | 1948 |
| Bible Grove Consol. | Sailor Springs Consol. | 1949 | Eldorado Central | Eldorado Consol. | 1954 |
| Bible Grove East | Sailor Springs Consol. | 1948 | Eldorado North | Eldorado Consol. | 1955 |
| Birds | Main | 1955 | Ellery West | Ellery Consol. | 1952 |
| Blairsville | Bungay Consol. | 1951 | Enterprise | Clay City Consol. | 1941 |
| Bone Gap South | Bone Gap Consol. | 1952 | Enterprise West | Clay City Consol. | 1941 |
| Bonpas | Parkersburg Consol. | 1951 | Epworth East | Epworth Consol. | 1951 |
| Bonpas East | Parkersburg Consol. | 1944 | Fairfield | Clay City Consol. | 1953 |
| Boos | Clay City Consol. | 1941 | Fairfield East | Clay City Consol. | 1953 |
| Boos East | Clay City Consol. | 1947 | Flannigan | Dale Consol. | 1955 |
| Boos North | Clay City Consol. | 1948 | Flat Rock | Main | 1954 |
| Boyleston Consol. | Clay City Consol. | 1948 | Flora | Sailor Springs Consol. | 1955 |
| Brownsville | Roland Consol. | 1946 | Friendsville | New Harmony Consol. | 1949 |
| Burnt Prairie | Goldengate Consol. | 1947 | Friendsville South | New Harmony Consol. | 1949 |
| Calvin | New Harmony Consol. and Phillipstown Consol. | 1941 | Gallagher | Calhoun Consol. | 1946 |
| | | | Geff | Clay City Consol. | 1947 |
| | | | Geff West | Clay City Consol. | 1948 |
| Calvin North | Phillipstown Consol. | 1948 | Goldengate West | Goldengate North Consol. | 1953 |
| Cantrell Consol. | Dale Consol. | 1955 | | | |
| Chapman | Main | 1954 | Gossett | Roland Consol. | 1954 |
| Cisne | Clay City Consol. | 1948 | Grayville | Phillipstown Consol. | 1948 |
| Cisne North | Clay City Consol. | 1954 | Grayville West | Albion Consol. | 1949 |
| Clay City North | Clay City Consol. | 1954 | Griffin | New Harmony Consol. | 1941 |
| Concord Central | Herald Consol. | 1955 | Helena | Ruark West Consol. | 1952 |
| Concord North | Concord Consol. | 1955 | Herald East | Concord South Consol. | 1953 |
| Concord South Consol. | Herald Consol. | 1955 | Herald North | Storms Consol. | 1953 |
| Cooks Mills Gas | Cooks Mills Consol. | 1955 | Hoodville | Dale Consol. | 1943 |
| Cooks Mills North | Cooks Mills Consol. | 1955 | Hoosier | Sailor Springs Consol. | 1948 |
| Cottonwood | Herald Consol. | 1953 | Hoosier North | Sailor Springs Consol. | 1948 |
| Cottonwood North | Herald Consol. | 1953 | Ingraham West | Sailor Springs Consol. | 1948 |

TABLE 10.—(Continued)

| Original pool name | Present pool assignment | Date of consol. | Original pool name | Present pool assignment | Date of consol. |
|---|---|---|---|---|---|
| Inman | Inman West Consol. | 1950 | Noble South | Clay City Consol. | 1948 |
| Inman Central | Inman West Consol. | 1949 | Norris City | Roland Consol. | 1955 |
| Inman North | Inman West Consol. | 1949 | North City | Christopher Consol. | 1954 |
| Inman South | Inman West Consol. | 1950 | Olney East | Olney Consol. | 1949 |
| Iron Consol. | Roland Consol. | 1954 | Parker | Main | 1954 |
| Keensburg Consol. | New Harmony Consol. | 1948 | Parkersburg North | Parkersburg Consol. | 1951 |
| Lancaster North | Ruark West Consol. | 1952 | Patton | Allendale | 1948 |
| Lancaster West | Berryville Consol. | 1949 | Patton West | Allendale | 1948 |
| Leech Consol. | Goldengate Consol. | 1948 | Roundprairie | Johnsonville Consol. | 1941 |
| Maple Grove East | Parkersburg Consol. | 1952 | Rural Hill | Dale Consol. | 1951 |
| Mason South | Iola Consol. | 1948 | Rural Hill West | Dale Consol. | 1955 |
| Maud Central | New Harmony Consol. | 1949 | Sailor Springs South | Sailor Springs Consol. | 1942 |
| Maud Consol. | New Harmony Consol. | 1951 | Sailor Springs West | Sailor Springs Consol. | 1949 |
| Maud North Consol. | New Harmony Consol. | 1951 | Sims | Johnsonville Consol. | 1948 |
| Maud West | New Harmony Consol. | 1948 | Sims North | Johnsonville Consol. | 1945 |
| Maunie | Maunie South | 1948 | Springerton | Bungay Consol. | 1946 |
| Maunie West | Maunie North Consol. | 1955 | Stanford | Clay City Consol. and Sailor Springs Consol. | 1953 |
| Merriam | Clay City Consol. | 1953 | | | |
| Mitchell | Ellery Consol. | 1952 | Stanford West | Sailor Springs Consol. | 1953 |
| Mt. Auburn Central | Mt. Auburn Consol. | 1954 | Stokes-Brownsville | Roland Consol. | 1953 |
| Mt. Auburn East | Mt. Auburn Consol. | 1954 | Swearingen gas | Main | 1955 |
| Mt. Carmel West | New Harmony Consol. | 1948 | Toliver | Hord South | 1955 |
| Mt. Erie | Clay City Consol. | 1944 | West End | Dale Consol. | 1955 |
| Mt. Erie South | Clay City Consol. | 1948 | West Frankfort South | West Frankfort | 1948 |
| New Haven North | Concord East Consol. | 1950 | West Liberty | Clay City Consol. | 1941 |
| New Haven West | Inman East Consol. | 1949 | Williams South | Williams Consol. | 1953 |
| New Hebron | Main | 1955 | Willow Hill Consol. | Clay City Consol. | 1948 |
| Noble | Clay City Consol. | 1948 | Willow Hill North | Clay City Consol. | 1947 |
| Noble North | Clay City Consol. | 1948 | Woburn South | Woburn Consol. | 1950 |

TABLE 11.—OIL AND GAS PRODUCING STRATA, 1955

| System or series | Group and/or formation | | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|---|
| Pennsylvanian System | McLeansboro | Trivoli | Trivoli | Lawrence: Lawrence, Crawford | 290 |
| | | Anvil Rock | Anvil Rock | Herald Consol.: White, Gallatin | 695 |
| | | | Jamestown | New Harmony Consol.: White, Wabash, Edwards | 720 |
| | | | Anvil Rock | Phillipstown Consol.: White, Edwards | 795 |
| | Carbondale | Cuba | Dykstra | Junction City: Marion | 510 |
| | | | Cuba | Lawrence: Lawrence, Crawford | 450 |
| | | | " | Main: Crawford, Lawrence | 510 |
| | | Jake Creek | Jake Creek | Omaha: Gallatin | 385 |
| | | Pleasantview | | Allendale: Lawrence, Wabash | 660 |
| | | | Upper Gas | Casey: Clark | 240 |
| | | | Upper Dudley | Dudley: Edgar | 310 |
| | | | Gas | Grandview: Edgar | 390 |
| | | | "Shallow" | Martinsville: Clark | 255 |
| | | | First (Upper) Siggins | Siggins: Cumberland, Clark | 400 |
| | | | | Westfield North: Coles | 275 |
| | | Browning | Lower Gas | Casey: Clark | 290 |
| | | | Gas | Dudley West: Edgar | 380 |
| | | | Kickapoo | Johnson North: Clark | 315 |
| | | | Second or Lower Siggins | Siggins: Cumberland, Clark | 460 |
| | | | Pennsylvanian | Warrenton-Borton: Edgar | 200 |
| | | | Gas | Westfield: Clark, Coles | 280 |
| | | Isabel | Wilson | Brown: Marion | 840 |
| | | | Lower Dudley | Dudley: Edgar | 400 |
| | | | Gas | Epworth Cons.: White | 1090 |
| | | | Isabel | Inclose: Edgar, Clark | 345 |
| | | | Wilson | Junction City: Marion | 610 |
| | | | " | Junction City South: Marion | 680 |
| | | | Isabel | Melrose: Clark | 840 |
| | | | " | Melrose South: Clark | 865 |
| | | | " | New Bellair: Clark | 650 |
| | | | " | Oak Point: Clark | 560 |
| | | | Wilson | Wamac East: Marion | 845 |
| | | | Isabel | York: Cumberland, Clark | 590 |
| | Tradewater and Caseyville groups | | Pennsylvanian | Ab Lake West: Gallatin | 725 |
| | | | Several sands | Albion Consol.: Edwards, White | 1490–2000 |
| | | | " " | Allendale: Wabash, Lawrence | 1070–1500 |
| | | | "500", "800" | Bellair: Crawford, Jasper | 560, 815 |
| | | | Pennsylvanian | Benton: Franklin | 1700 |
| | | | " | Bone Gap Consol.: Edwards | 2110 |
| | | | " | Carlinville: Macoupin | 380 |
| | | | " | Carlinville North: Macoupin | 440 |
| | | | " | Carmi: White | 1210 |
| | | | Casey | Casey: Clark | 445 |
| | | | Pennsylvanian | Elbridge: Edgar | 760 |
| | | | Several sands | Epworth Consol.: White | 1320–1840 |
| | | | Biehl | Friendsville North: Wabash | 1620 |
| | | | Pennsylvanian | *Gillespie-Benld gas: Macoupin | 540 |
| | | | " | Gillespie-Wyen: Macoupin | 650 |
| | | | " | Grandview: Edgar | 560 |
| | | | " | Herald Consol.: White, Gallatin | 1090–1750 |
| | | | " | Inclose: Edgar, Clark | 540 |

*Abandoned. †Abandoned, revived. xUndetermined.

TABLE 11.—(Continued)

| System or series | Group and/or formation | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|
| Pennsylvanian System | Tradewater and Caseyville groups | Pennsylvanian | Inman East Consol.: Gallatin | 780–1450 |
| | | " | Inman West Consol.: Gallatin | 925 |
| | | " | Irvington East: Jefferson | 1030 |
| | | " | *Jacksonville gas: Morgan | 330 |
| | | Claypool | Johnson North: Clark | 415 |
| | | Casey | " " " | 465 |
| | | Upper Partlow | " " " | 535 |
| | | Claypool | Johnson South: Clark | 390 |
| | | Casey | " " " | 450 |
| | | Upper Partlow | " " " | 490 |
| | | Lower Partlow | " " " | 600 |
| | | Pennsylvanian | Junction: Gallatin | 1150 |
| | | " | Junction North: Gallatin | 1565 |
| | | " | Keensburg South: Wabash | 1150 |
| | | Biehl | Lancaster East: Wabash | 1745 |
| | | Bridgeport | Lawrence: Lawrence, Crawford | 800–950 |
| | | Buchanan | " " " | 1250 |
| | | Pennsylvanian | †Litchfield: Montgomery | 660 |
| | | " | Livingston: Madison | 535 |
| | | " | Livingston East gas: Madison | 540 |
| | | " | Livingston South: Madison | 530 |
| | | Burtschi | Louden: Fayette, Effingham | 1000 |
| | | Several sands | Main: Crawford, Lawrence | 900–1250 |
| | | Casey | Martinsville: Clark | 500 |
| | | Pennsylvanian | Maunie North Consol.: White | 1320 |
| | | " | Maunie South: White | 1400 |
| | | Several sands | Mt. Carmel: Wabash | 1370–1520 |
| | | Pennsylvanian | Mt. Olive: Montgomery | 605 |
| | | " | Murdock: Douglas | 370 |
| | | " | *New Bellair: Crawford | 1165 |
| | | Several sands | New Harmony Consol.: White, Wabash, Edwards | 1340–1850 |
| | | Pennsylvanian | Old Ripley: Bond | 600 |
| | | " | Omaha: Gallatin | 580–1335 |
| | | " | Panama: Bond, Montgomery | 575 |
| | | " | Parkersburg South: Edwards | 1400 |
| | | Several sands | Phillipstown Consol: White, Edwards | 1350–1875 |
| | | Pennsylvanian | Plainview: Macoupin | 410 |
| | | " | Prentice: Morgan | 270 |
| | | " | Raymond: Montgomery | 590 |
| | | " | Raymond East: Montgomery | 595 |
| | | " | Redmon North: Edgar | 365 |
| | | " | Rochester: Wabash | 1300 |
| | | " | Roland Consol.: White, Gallatin | 1410 |
| | | " | Ruark: Lawrence | 1600 |
| | | Bridgeport | Russellville gas: Lawrence | 760 |
| | | Buchanan | " " " | 1100 |
| | | Pennsylvanian | St. Francisville East: Lawrence | 1305 |
| | | 3rd & 4th Siggins | Siggins: Cumberland, Clark | 480–600 |
| | | Pennsylvanian | *Spanish Needle Creek: Macoupin | 300 |
| | | " | *Staunton gas: Macoupin | 460 |
| | | " | Staunton: Macoupin | 515 |
| | | " | Staunton West: Macoupin | 505 |
| | | " | Waggoner: Montgomery | 610 |
| | | Petro | Wamac: Marion, Clinton, Washington | 720 |
| | | Pennsylvanian | Waverly: Morgan | 250 |
| | | " | Westfield East: Clark | 400 |
| | | " | Westfield North: Coles | 490 |

*Abandoned. †Abandoned, revived. xUndetermined.

TABLE 11.—(Continued)

| System or series | Group and/or formation | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|
| Chester (Upper Mississippian) series | Degonia | Degonia | Albion Consol.: Edwards, White | 2125 |
| | | " | Epworth Consol.: White | 2090 |
| | | " | Herald Consol.: White, Gallatin | 1920 |
| | | " | Inman East Consol.: Gallatin | 1690 |
| | | " | Maunie South: White | 1900 |
| | | " | Mitchellsville: Saline | 1330 |
| | | " | New Harmony Consol.: White, Wabash, Edwards | 1925 |
| | | " | New Harmony South (Ind.): White | 1850 |
| | | " | Phillipstown Consol.: White, Edwards | 1975 |
| | | " | Storms Consol.: White | 1990 |
| | Clore | Clore | Black River: White | 1865 |
| | | " | Epworth Consol.: White | 2100 |
| | | " | Herald Consol.: White, Gallatin | 1965 |
| | | " | Inman East Consol.: Gallatin | 1725 |
| | | " | New Harmony Consol.: White, Wabash, Edwards | 1980 |
| | | " | Phillipstown Consol.: White, Edwards | 2010 |
| | | " | Storms Consol.: White | 2035 |
| | Palestine | Palestine | Ab Lake: Gallatin | 1835 |
| | | " | Centerville East: White | 2225 |
| | | " | Eldorado Consol.: Saline | 1920 |
| | | " | Eldorado East: Saline | 1915 |
| | | " | Epworth Consol.: White | 2150 |
| | | " | Herald Consol.: White, Gallatin | 1940 |
| | | " | Inman East Consol.: Gallatin | 1840 |
| | | " | Inman West Consol.: Gallatin | 1765 |
| | | " | Long Branch: Saline, Hamilton | 2070 |
| | | " | Maunie South: White | 2010 |
| | | " | Mt. Carmel: Wabash | 1580 |
| | | " | New Harmony Consol.: White, Wabash, Edwards | 2000 |
| | | " | New Harmony South (Ind.): White | 1955 |
| | | " | Omaha: Gallatin | 1700 |
| | | " | Phillipstown Consol.: White, Edwards | 2050 |
| | | " | Ridgway: Gallatin | 1730 |
| | | " | Roland Consol.: White, Gallatin | 2085 |
| | | " | †Shawneetown: Gallatin | 1720 |
| | Waltersburg | Waltersburg | Albion Consol.: Edwards, White | 2365 |
| | | " | Allendale: Wabash, Lawrence | 1540 |
| | | " | Bone Gap Consol.: Edwards | 2310 |
| | | " | Clay City Consol.: Clay, Wayne, Richland, Jasper | 2175 |
| | | " | Concord East Consol.: White | 2140 |
| | | " | Eldorado Consol.: Saline | 2125 |
| | | " | Epworth Consol.: White | 2345 |
| | | " | Harrisburg: Saline | 2020 |
| | | " | Herald Consol.: White, Gallatin | 2240 |
| | | " | Inman East Consol.: Gallatin | 1980 |
| | | " | Inman West Consol.: Gallatin | 2080 |
| | | " | Junction: Gallatin | 1750 |
| | | " | Junction East: Gallatin | 2000 |
| | | " | Maunie North Consol.: White | 2305 |
| | | " | Maunie South: White | 2210 |
| | | " | Mitchellsville: Saline | 1505 |
| | | " | Mt. Carmel: Wabash | 1690 |
| | | " | New Harmony Consol.: White, Wabash, Edwards | 2155 |
| | | " | New Harmony South: White | 2250 |
| | | " | New Harmony South (Ind.): White | 2120 |

TABLE 11.—(Continued)

| System or series | Group and/or formation | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|
| Chester (Upper Mississippian) series | Waltersburg | Waltersburg | Parkersburg Consol.: Richland, Edwards | 2430 |
| | | " | Phillipstown Consol: White, Edwards | 2280 |
| | | " | Rochester: Wabash | 1940 |
| | | " | Roland Consol: White, Gallatin | 2200 |
| | | " | Ruark West Consol.: Lawrence | 1780 |
| | | " | St. Francisville East: Lawrence | 1300 |
| | | " | *Samsville: Edwards | 2420 |
| | | " | †Shawneetown: Gallatin | 1900 |
| | | " | Shawneetown East: Gallatin | 1855 |
| | | " | Storms Consol: White | 2230 |
| | Tar Springs | Tar Springs | Albion Consol.: Edwards, White | 2460 |
| | | " | Allendale: Wabash, Lawrence | 1600 |
| | | " | Benton: Franklin | 2100 |
| | | " | Browns: Edwards, Wabash | 2365 |
| | | " | Centerville East: White | 2500 |
| | | " | Clay City Consol.: Clay, Wayne, Richland, Jasper | 2560 |
| | | " | Concord Consol.: White | 2270 |
| | | " | Concord East Consol.: White | 2175 |
| | | " | Dale Consol.: Hamilton, Saline, Franklin | 2430 |
| | | " | Eldorado Consol.: Saline | 2200 |
| | | " | Eldorado East: Saline | 2190 |
| | | " | Epworth Consol.: White | 2360 |
| | | " | Harrisburg Gas: Saline | 2115 |
| | | " | Herald Consol.: White, Gallatin | 2260 |
| | | " | Inman East Consol.: Gallatin | 2080 |
| | | " | Inman West Consol.: Gallatin | 2140 |
| | | " | Iola Consol.: Clay, Effingham | 1890 |
| | | " | Kenner: Clay | 2200 |
| | | " | Lawrence: Lawrence, Crawford | 1410 |
| | | " | Louden: Fayette, Effingham | 1170 |
| | | " | Maunie North Consol.: White | 2350 |
| | | " | Maunie South: White | 2270 |
| | | " | Mt. Carmel: Wabash | 1690 |
| | | " | New Harmony Consol.: White, Wabash, Edwards | 2215 |
| | | " | New Harmony South: White | 2350 |
| | | " | New Haven Consol.: White | 2105 |
| | | " | Omaha: Gallatin | 1900 |
| | | " | Phillipstown Consol.: White, Edwards | 2295 |
| | | " | Phillipstown South: White | 2345 |
| | | " | Raleigh: Saline | 2235 |
| | | " | Roland Consol.: White, Gallatin | 2300 |
| | | " | Sailor Springs Central: Clay | 2330 |
| | | " | Sailor Springs Consol.: Clay, Effingham | 2340 |
| | | " | †Shawneetown: Gallatin | 1960 |
| | | " | Storms Consol.: White | 2340 |
| | | " | Sumpter: White | 2575 |
| | | " | Sumpter South: White | 2580 |
| | | " | Walpole: Hamilton | 2465 |
| | | " | West Frankfort: Franklin | 2060 |
| | | " | Woodlawn: Jefferson | x |
| | Glen Dean | Glen Dean | Sailor Springs Consol.: Clay, Effingham | 2390 |
| | Hardinsburg | Hardinsburg | Albion Consol.: Edwards, White | 2635 |
| | | " | Allendale: Wabash, Lawrence | 1780 |
| | | " | Centerville East: White | 2615 |
| | | " | Concord Consol.: White | 2485 |
| | | " | Dale Consol.: Hamilton, Saline, Franklin | 2480 |

*Abandoned. †Abandoned, revived. xUndetermined.

TABLE 11.—(Continued)

| System or series | Group and/or formation | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|
| Chester (Upper Mississippian) series | Hardinsburg | Hardinsburg | Eldorado Consol: Saline | 2350 |
| | | " | Inman East Consol.: Gallatin | 2135 |
| | | " | Inman West Consol.: Gallatin | 2300 |
| | | " | Junction: Gallatin | 2120 |
| | | " | Lawrence: Lawrence, Crawford | 1570 |
| | | " | Main: Crawford | 1075 |
| | | " | Maunie North Consol.: White | 2565 |
| | | " | New Haven Consol.: White | 2245 |
| | | " | Roland Consol.: White, Gallatin | 2550 |
| | | " | St. Francisville East: Lawrence | 1460 |
| | | " | Sumpter: White | 2655 |
| | | " | Whittington: Franklin | 2310 |
| | Golconda | Golconda ls. | Carlyle: Clinton | 900 |
| | | Jackson | Lawrence: Lawrence, Crawford | 1370 |
| | | " | Mt. Carmel: Wabash | 2020 |
| | | Golconda ls. | Panama: Bond, Montgomery | 705 |
| | | " | Roland Consol.: White, Gallatin | 2505 |
| | | " | St. James: Fayette | 1555 |
| | | "Barlow" ls. | Irvington: Washington | 1525 |
| | Cypress | Cypress-Weiler | Ab Lake West: Gallatin | 2425 |
| | | " | Akin: Franklin | 2840 |
| | | " | Akin West: Franklin | 2715 |
| | | " | Albion Consol.: Edwards, White | 2860 |
| | | " | Albion East: Edwards | 2800 |
| | | " | Allendale: Wabash, Lawrence | 1920 |
| | | " | Alma: Marion | 1805 |
| | | " | *Ava-Campbell Hill: Jackson | 780 |
| | | Carlyle | Bartelso: Clinton | 985 |
| | | Cypress-Weiler | Bartelso West: Clinton | 960 |
| | | " | Beaver Creek South: Clinton, Bond | 1015 |
| | | Bellair 900 | Bellair: Crawford, Jasper | 885 |
| | | Cypress-Weiler | Benton North: Franklin | 2460 |
| | | " | Bible Grove North: Effingham | 2535 |
| | | " | Bible Grove South: Clay | 2500 |
| | | " | Bone Gap Consol.: Edwards | 2710 |
| | | " | Brown: Marion | 1660 |
| | | " | Browns: Edwards, Wabash | 2640 |
| | | " | Browns East: Wabash | 2570 |
| | | Carlyle | Carlyle: Clinton | 1035 |
| | | Cypress-Weiler | *Carlyle South: Clinton | 1075 |
| | | " | Carmi: White | 2800 |
| | | " | Carmi North: White | 2940 |
| | | " | Centerville East: White | 2915 |
| | | Stein | Centralia: Clinton, Marion | 1200 |
| | | Cypress-Weiler | Clay City Consol.: Clay, Wayne, Richland, Jasper | 2635 |
| | | " | Clay City West: Clay | 2700 |
| | | " | Concord Consol.: White | 2625 |
| | | " | Concord East Consol.: White | 2540 |
| | | " | Cooks Mills Consol.: Coles | 1600 |
| | | " | Dale Consol.: Hamilton, Saline, Franklin | 2700 |
| | | " | Dubois: Washington | 1230 |
| | | " | Eberle: Effingham | 2475 |
| | | " | Eldorado Consol.: Saline | 2575 |
| | | " | Eldorado East: Saline | 2515 |
| | | " | Elliottstown East: Effingham | 2485 |
| | | " | Elliottstown North: Effingham | 2430 |
| | | " | Epworth Consol.: White | 2730 |

TABLE 11.—(Continued)

| System or series | Group and/or formation | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|
| Chester (Upper Mississippian) series | Cypress | Cypress-Weiler | Francis Mills: Saline | 2675 |
| | | " | Freeburg South: St. Clair | 385 |
| | | Carlyle | †Frogtown: Clinton | 950 |
| | | Upper Lindley | *Greenville Gas: Bond | 925 |
| | | Cypress-Weiler | Harco East: Saline | 2555 |
| | | " | Harrisburg South: Saline | 2301 |
| | | " | Herald Consol.: White, Gallatin | 2660 |
| | | " | Hill East: Effingham | 2460 |
| | | " | Hoffman: Clinton | 1190 |
| | | " | Huey South: Clinton | 1080 |
| | | " | Inman East Consol.: Gallatin | 2390 |
| | | " | Inman West Consol.: Gallatin | 2475 |
| | | " | Iola Consol.: Clay, Effingham | 2125 |
| | | " | Irvington: Washington | 1380 |
| | | " | Irvington East: Jefferson | 1750 |
| | | " | Irvington North: Washington | 1340 |
| | | " | Junction: Gallatin | 2275 |
| | | " | Junction North: Gallatin | 2450 |
| | | " | Keensburg South: Wabash | 2385 |
| | | " | Kenner West: Clay | 2600 |
| | | " | Langewisch-Kuester: Marion | 1600 |
| | | Kirkwood | Lawrence: Lawrence, Crawford | 1400 |
| | | Cypress-Weiler | Lexington: Wabash | 2585 |
| | | " | Long Branch: Saline, Hamilton | 2745 |
| | | " | Long Branch South: Saline | 2660 |
| | | " | Louden: Fayette, Effingham | 1500 |
| | | " | Main: Crawford, Lawrence | 1480 |
| | | " | Mattoon: Coles | 1750 |
| | | " | Maunie South: White | 2590 |
| | | " | Mt. Carmel: Wabash | 2025 |
| | | " | New Harmony Consol.: White, Wabash, Edwards | 2570 |
| | | " | New Harmony South: White | 2670 |
| | | " | New Haven Consol.: White | 2445 |
| | | " | Odin: Marion | 1750 |
| | | " | Omaha South: Gallatin, Saline | 2535 |
| | | " | Omaha West: Saline | 2600 |
| | | " | Parkersburg Consol.: Richland, Edwards | 2830 |
| | | " | Passport South: Richland | 2665 |
| | | " | Patoka: Marion | 1280 |
| | | " | Patoka East: Marion | 1340 |
| | | " | Patoka South: Marion | 1350 |
| | | " | Phillipstown Consol.: White, Edwards | 2720 |
| | | " | Posey: Clinton | 1105 |
| | | " | Raccoon Lake: Marion | 1625 |
| | | " | Raleigh: Saline | 2550 |
| | | " | Richview: Washington | 1520 |
| | | " | Roland Consol.: White, Gallatin | 2700 |
| | | " | Ruark West Consol.: Lawrence | 2165 |
| | | " | St. Francisville East: Lawrence | 1605 |
| | | " | St. James: Fayette | 1580 |
| | | " | Sailor Springs Consol.: Clay, Effingham | 2550 |
| | | " | *Sailor Springs East: Clay | 2695 |
| | | " | Sandoval West: Clinton | 1420 |
| | | " | *Santa Fe: Clinton | 955 |
| | | " | Sesser: Franklin | 2455 |
| | | " | Shattuc: Clinton | 1280 |
| | | Sparta Gas | *Sparta: Randolph | 850 |
| | | Cypress-Weiler | *Sparta South: Randolph | 880 |
| | | " | Storms Consol.: White | 2700 |
| | | " | Stubblefield South: Bond | 985 |
| | | " | Sumpter: White | 2860 |

*Abandoned. †Abandoned, revived. xUndetermined.

TABLE 11.—(Continued)

| System or series | Group and/or formation | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|
| Chester (Upper Mississippian) series | Cypress | Cypress-Weiler | Sumpter East: White | 2795 |
| | | " | Tamaroa: Perry | 1120 |
| | | " | Thackeray: Hamilton | 3030 |
| | | " | Thompsonville North: Franklin | 2750 |
| | | " | Toliver East: Clay | 2510 |
| | | " | Trumbull: White | 2845 |
| | | " | Whittington: Franklin | 2535 |
| | | " | Whittington South: Franklin | 2580 |
| | | " | Woburn Consol.: Bond | 865 |
| | | " | Woodlawn: Jefferson | 1800 |
| | | " | Xenia East: Clay | 2500 |
| | Paint Creek | Paint Creek | Albion East: Edwards | 2910 |
| | | Stray | Benton North: Franklin | 2595 |
| | | Paint Creek | Carmi North: White | 3080 |
| | | " | Centerville East: White | 2980 |
| | | " | Dale Consol.: Hamilton, Saline, Franklin | 2950 |
| | | " | Eldorado Consol.: Saline | 2680 |
| | | " | Harco: Saline | 2675 |
| | | " | Herald Consol.: White, Gallatin | x |
| | | " | Iola Consol.: Clay, Effingham | 2255 |
| | | " | Lancaster: Wabash, Lawrence | 2530 |
| | | " | Lawrence: Lawrence, Crawford | 1600 |
| | | " | Lawrence West: Lawrence | 2040 |
| | | Stray | Louden: Fayette, Effingham | 1540 |
| | | " | Maunie North Consol.: White | 2830 |
| | | Paint Creek | Mt. Carmel: Wabash | 2095 |
| | | " | New Harmony Consol.: White, Wabash, Edwards | 2660 |
| | | " | Parkersburg Consol.: Richland, Edwards | 2955 |
| | | " | Phillipstown Consol.: White, Edwards | 2780 |
| | | " | Roland Consol.: White, Gallatin | 2800 |
| | Bethel | Bethel or Benoist | Albion Consol.: Edwards, White | 2960 |
| | | " | Albion East: Edwards | 2920 |
| | | " | Allendale: Wabash, Lawrence | 2010 |
| | | " | Alma: Marion | 1945 |
| | | " | Ashley: Washington | 1430 |
| | | " | Assumption Consol.: Christian | 1050 |
| | | " | *Ayers Gas: Bond | 940 |
| | | " | Beaucoup South: Washington | 1430 |
| | | " | Beaver Creek: Bond, Clinton | 1130 |
| | | " | *Beaver Creek North: Bond | 1115 |
| | | " | Beaver Creek South: Clinton, Bond | 1140 |
| | | " | Bellmont: Wabash | 2650 |
| | | " | Benton North: Franklin | 2600 |
| | | " | Bone Gap Consol.: Edwards | 2880 |
| | | " | Boulder: Clinton | 1190 |
| | | " | Boyd: Jefferson | 2060 |
| | | " | Browns: Edwards, Wabash | 2785 |
| | | " | Browns South: Edwards | 2850 |
| | | " | Carlyle North: Clinton | 1150 |
| | | " | Centerville East: White | 2990 |
| | | " | *Centerville North: White | 2990 |
| | | " | Centerville Northeast: White | 3055 |
| | | " | Centralia: Clinton, Marion | 1355 |
| | | " | Centralia West: Clinton | 1440 |
| | | " | Clarksburg: Shelby | 1770 |
| | | " | Clay City Consol.: Clay, Wayne, Richland, Jasper | 2800 |
| | | " | Cordes: Washington | 1260 |
| | | " | Cravat: Jefferson | 2070 |

TABLE 11.—(Continued)

| System or series | Group and/or formation | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|
| Chester (Upper Mississippian) series | Bethel | Bethel or Benoist | *Crossville: White | 2880 |
| | | " | Dale Consol: Hamilton, Saline, Franklin | 2975 |
| | | " | *Dix South: Jefferson | 1950 |
| | | " | Dubois: Washington | 1325 |
| | | " | Dubois Central: Washington | 1335 |
| | | " | Elba: Gallatin | 2660 |
| | | " | Elkville: Jackson | 2000 |
| | | " | Ellery Consol: Edwards, Wayne | 3110 |
| | | " | †Ellery North: Edwards | 3100 |
| | | " | Fairman: Marion, Clinton | 1435 |
| | | " | *Fitzgerrell: Jefferson | 2760 |
| | | " | Friendsville Central: Wabash | 2330 |
| | | " | Goldengate North Consol.: Wayne | 3095 |
| | | " | Herald Consol.: White, Gallatin | 2790 |
| | | " | Hoffman: Clinton | 1320 |
| | | " | Huey: Clinton | 1260 |
| | | " | Iola Central: Clay | 2420 |
| | | " | Iola Consol.: Clay, Effingham | 2290 |
| | | " | Iola South: Clay | 2490 |
| | | " | Irvington: Washington | 1535 |
| | | " | Irvington East: Jefferson | 1950 |
| | | " | Irvington North: Washington | 1470 |
| | | " | Johnsonville Consol.: Wayne | 2950 |
| | | " | Johnsonville West: Wayne | 2925 |
| | | " | Kenner: Clay | 2690 |
| | | " | Kenner North: Clay | 2755 |
| | | " | Kenner West: Clay | 2705 |
| | | " | Keyesport: Clinton | 1180 |
| | | " | Kinmundy: Marion | 1915 |
| | | " | *Kinmundy North: Marion | 2040 |
| | | " | Laclede: Fayette | 2335 |
| | | " | Lakewood: Shelby | 1690 |
| | | " | Lancaster: Wabash, Lawrence | 2540 |
| | | " | Lancaster South: Wabash | 2520 |
| | | Tracey | Lawrence: Lawrence, Crawford | 1650 |
| | | Bethel or Benoist | Lawrence West: Lawrence | 2050 |
| | | " | Louden: Fayette, Effingham | 1550 |
| | | " | McKinley: Washington | 1000 |
| | | " | Main: Crawford, Lawrence | 1580 |
| | | " | Mason: Effingham | 2295 |
| | | " | Mason North: Effingham | 2290 |
| | | " | Maunie North Consol.: White | 2820 |
| | | " | Maunie South: White | 2735 |
| | | " | Miletus: Marion | 2140 |
| | | " | Mt. Carmel: Wabash | 2110 |
| | | " | New Harmony Consol.: White, Wabash, Edwards | 2700 |
| | | " | New Harmony South: White | 2815 |
| | | " | Omaha: Gallatin | 2570 |
| | | " | Oskaloosa: Clay | 2595 |
| | | " | Pana: Christian | 1470 |
| | | " | Panama: Bond, Montgomery | 865 |
| | | " | Parkersburg Consol.: Richland, Edwards | 2930 |
| | | " | Parkersburg South: Edwards | 2815 |
| | | " | Patoka: Marion | 1410 |
| | | " | Patoka East: Marion | 1465 |
| | | " | Patoka West: Fayette | 1380 |
| | | " | Phillipstown Consol.: White, Edwards | 2810 |
| | | " | Posen South: Washington | 1255 |
| | | " | Roaches: Jefferson | 2000 |
| | | " | Roaches North: Jefferson | 1925 |
| | | " | Roland Consol.: White, Gallatin | 2800 |
| | | " | Ruark: Lawrence | 2065 |

*Abandoned. †Abandoned, revived. xUndetermined.

TABLE 11.—(Continued)

| System or series | Group and/or formation | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|
| Chester (Upper Mississippian) series | Bethel | Bethel or Benoist | Ruark West Consol.: Lawrence | 2220 |
| | | " | St. Francisville: Lawrence | 1845 |
| | | " | St. Francisville East: Lawrence | 1750 |
| | | " | St. Paul: Fayette | 1900 |
| | | " | Sailor Springs Consol.: Clay, Effingham | 2740 |
| | | " | Salem Consol.: Marion, Jefferson | 1780 |
| | | " | Samsville North: Edwards | 2900 |
| | | " | Sandoval: Marion | 1540 |
| | | " | Shattuc: Clinton | 1420 |
| | | " | Shawneetown East: Gallatin | 2480 |
| | | " | Storms Consol.: White | 2810 |
| | | " | Tonti: Marion | 1930 |
| | | " | Waltonville: Jefferson | 2460 |
| | | " | Whittington West: Franklin | 2615 |
| | | " | Williams Consol.: Jefferson | 2490 |
| | | " | Woburn Consol.: Bond | 1020 |
| | | " | Woodlawn: Jefferson | 1960 |
| | | " | Xenia East: Clay | 2710 |
| | Renault | Renault | Ab Lake: Gallatin | 2735 |
| | | " | Albion Consol.: Edwards, White | 3000 |
| | | " | Albion East: Edwards | 2925 |
| | | " | Bungay Consol.: Hamilton | 3270 |
| | | " | Eldorado West: Saline | 2910 |
| | | " | Epworth Consol.: White | 2990 |
| | | " | †Ina: Jefferson | 2725 |
| | | " | Inman West Consol.: Gallatin | 2775 |
| | | " | Iola Consol.: Clay, Effingham | 2320 |
| | | " | Lawrence: Lawrence, Crawford | 1695 |
| | | " | Salem Consol.: Marion, Jefferson | x |
| | | " | Sesser: Franklin | 2690 |
| | Aux Vases | Aux Vases | Ab Lake: Gallatin | 2770 |
| | | " | Ab Lake West: Gallatin | 2735 |
| | | " | Aden Consol.: Wayne, Hamilton | 3200 |
| | | " | Aden South: Hamilton | 3245 |
| | | " | Akin: Franklin | 3100 |
| | | " | Albion Consol.: Edwards, White | 3045 |
| | | " | Albion East: Edwards | 3020 |
| | | " | Allendale: Wabash, Lawrence | 2280 |
| | | " | *Amity West: Richland | 2925 |
| | | " | Barnhill: Wayne | 3325 |
| | | " | Bellair: Crawford, Jasper | 1200 |
| | | " | Belle Prairie: Hamilton | 3250 |
| | | " | Beman: Lawrence | 1805 |
| | | " | Beman East: Lawrence | 1805 |
| | | " | Benton North: Franklin | 2685 |
| | | " | Bible Grove South: Clay | 2740 |
| | | " | Bone Gap Consol.: Edwards | 3020 |
| | | " | Boyd: Jefferson | 2130 |
| | | " | Browns: Edwards, Wabash | 2965 |
| | | " | Browns South: Edwards | 2950 |
| | | " | Bungay Consol.: Hamilton | 3295 |
| | | " | Burnt Prairie South: White | 3330 |
| | | " | *Calhoun South: Wayne | 3175 |
| | | " | Cantrell North: Hamilton | 3270 |
| | | " | Carmi: White | 3145 |
| | | " | Carmi North: White | 3270 |
| | | " | Centerville: White | 3240 |
| | | " | Centerville East: White | 3075 |
| | | " | Christopher Consol.: Franklin | 2605 |
| | | " | Clay City Consol.: Clay, Wayne, Richland, Jasper | 2940 |

TABLE 11.—(Continued)

| System or series | Group and/or formation | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|
| Chester (Upper Mississippian) series | Aux Vases | Aux Vases | Clay City West: Clay | 2950 |
| | | " | Coil: Wayne | 2700 |
| | | " | Coil West: Jefferson | 2720 |
| | | " | Concord Consol.: White | 2905 |
| | | " | Concord East Consol.: White | 2825 |
| | | " | †Cooks Mills Consol.: Coles | 1765 |
| | | " | Cooks Mills East: Coles | 1740 |
| | | " | *Crossville West: White | 3030 |
| | | " | Dale Consol.: Hamilton, Saline, Franklin | 3150 |
| | | " | Divide East: Jefferson | 2620 |
| | | " | Eldorado Consol: Saline | 2900 |
| | | " | Eldorado East: Saline | 2885 |
| | | " | Eldorado West: Saline | 2960 |
| | | " | Ellery Consol.: Edwards, Wayne | 3235 |
| | | " | Ellery East: Edwards | 3180 |
| | | " | †Ellery North: Edwards | 3230 |
| | | " | †Ellery South: Edwards | 3200 |
| | | " | †Enfield: White | 3250 |
| | | " | Epworth Consol.: White | 3000 |
| | | " | Ewing: Franklin | 2835 |
| | | " | *Fitzgerrell: Jefferson | 2800 |
| | | " | †Gays: Moultrie | 1970 |
| | | " | Goldengate Consol.: Wayne, White | 3180 |
| | | " | Goldengate North Consol.: Wayne | 3235 |
| | | " | Half Moon: Wayne | 3190 |
| | | " | Harco: Saline | 2860 |
| | | " | Herald Consol.: White, Gallatin | 2920 |
| | | " | Hord South: Clay | 2735 |
| | | " | †Ingraham: Clay | 2915 |
| | | " | Inman East Consol.: Gallatin | 2715 |
| | | " | Inman West Consol.: Gallatin | 2790 |
| | | " | Iola Consol.: Clay, Effingham | 2325 |
| | | " | Johnsonville Consol.: Wayne | 3020 |
| | | " | Johnsonville South: Wayne | 3060 |
| | | " | Johnsonville West: Wayne | 2900 |
| | | " | Junction North: Gallatin | 2725 |
| | | " | Keenville: Wayne | 2960 |
| | | " | Kenner: Clay | 2835 |
| | | " | King: Jefferson | 2725 |
| | | " | Lakewood: Shelby | 1720 |
| | | " | Lawrence: Lawrence, Crawford | 1775 |
| | | " | Lawrence West: Lawrence | 2110 |
| | | " | Locust Grove: Wayne | 3215 |
| | | " | Long Branch: Saline, Hamilton | 3095 |
| | | " | Louden: Fayette, Effingham | 1600 |
| | | " | Louisville North: Clay | 2760 |
| | | " | Main: Crawford, Lawrence | 1530 |
| | | " | Maple Grove Consol.: Edwards, Wayne | 3145 |
| | | " | Marion: Williamson | 2385 |
| | | " | Markham City North: Jefferson, Wayne | 2950 |
| | | " | Markham City West: Jefferson | 2905 |
| | | " | Mason North: Effingham | 2355 |
| | | " | Mattoon: Coles | 1900 |
| | | " | *Maunie East: White | 2870 |
| | | " | Maunie North Consol.: White | 2930 |
| | | " | Maunie South: White | 2845 |
| | | " | Miletus: Marion | 2200 |
| | | " | Mill Shoals: White, Hamilton, Wayne | 3245 |
| | | " | Mt. Erie North: Wayne | 3110 |
| | | " | Mt. Vernon: Jefferson | 2665 |
| | | " | New Harmony Consol.: White, Wabash, Edwards | 2800 |
| | | " | New Harmony South: White | 3005 |

*Abandoned. †Abandoned, revived. xUndetermined.

TABLE 11.—(Continued)

| System or series | Group and/or formation | | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|---|
| Chester (Upper Mississippian) series | Aux Vases | | Aux Vases | New Haven Consol.: White | 2720 |
| | | | " | New Hebron East: Crawford | 1555 |
| | | | " | Oak Point: Clark | 1185 |
| | | | " | Oak Point West: Clark | 1190 |
| | | | " | Omaha: Gallatin | 2730 |
| | | | " | Omaha East: Gallatin | 2790 |
| | | | " | Omaha South: Gallatin, Saline | 2870 |
| | | | " | Omaha West: Saline | 2800 |
| | | | " | Orchardville: Wayne | 2800 |
| | | | " | Oskaloosa East: Clay | 2820 |
| | | | " | Phillipstown Consol.: White, Edwards | 2880 |
| | | | " | Phillipstown South: White | 2985 |
| | | | " | Raleigh: Saline | 2905 |
| | | | " | Raleigh South: Saline | 2860 |
| | | | " | Roland Consol.: White, Gallatin | 2880 |
| | | | " | Roland West: Saline | 2935 |
| | | | " | Ste. Marie West: Jasper | 2720 |
| | | | " | Sailor Springs Consol.: Clay, Effingham | 2825 |
| | | | " | Salem Consol.: Marion, Jefferson | 1825 |
| | | | " | Sesser: Franklin | 2700 |
| | | | " | †Shawneetown: Gallatin | 2650 |
| | | | " | Shawneetown East: Gallatin | 2660 |
| | | | " | †Shawneetown North: Gallatin | 2750 |
| | | | " | Shelbyville: Shelby | 1860 |
| | | | " | Shelbyville East: Shelby | 1810 |
| | | | " | Stanford South: Clay | 2970 |
| | | | " | Stewardson: Shelby | 1945 |
| | | | " | Storms Consol.: White | 2900 |
| | | | " | Sumpter East: White | 3020 |
| | | | " | Sumpter North: White | 3185 |
| | | | " | Sumpter West: White | 3165 |
| | | | " | Thackeray: Hamilton | 3360 |
| | | | " | Thompsonville East: Franklin | 3150 |
| | | | " | Thompsonville North: Franklin | 3100 |
| | | | " | Toliver South: Clay | 2765 |
| | | | " | Tonti: Marion | 2005 |
| | | | " | Trumbull: White | 3170 |
| | | | " | Trumbull West: White | 3120 |
| | | | " | Walpole: Hamilton | 3070 |
| | | | " | Walpole South: Hamilton | 3125 |
| | | | " | West Frankfort: Franklin | 2710 |
| | | | " | Whittington: Franklin | 2735 |
| | | | " | Whittington West: Franklin | 2680 |
| | | | " | Williams Consol.: Jefferson | 2550 |
| | | | " | Woodlawn: Jefferson | 1975 |
| | | | " | Xenia: Clay | 2785 |
| Iowa (Lower Mississippian) series | Ste. Genevieve | Levias member | Ohara "lime" | Aden Consol.: Wayne, Hamilton | 3290 |
| | | | " | Aden South: Hamilton | 3310 |
| | | | " | Akin West: Franklin | 3050 |
| | | | " | Albion Central: Edwards | 3370 |
| | | | " | Albion Consol.: Edwards, White | 3110 |
| | | | " | Albion East: Edwards | 3100 |
| | | | " | Allendale: Wabash, Lawrence | 2300 |
| | | | " | Barnhill: Wayne | 3370 |
| | | | " | Bellair: Crawford, Clark | 860 |
| | | | " | Bellmont: Wabash | 2840 |
| | | | " | Benton North: Franklin | 2730 |
| | | | " | Berryville Consol.: Wabash, Edwards | 2900 |
| | | | " | Bessie: Franklin | 2895 |
| | | | " | Bone Gap Consol.: Edwards | 3040 |
| | | | " | Bone Gap East: Edwards | 2980 |
| | | | " | Bone Gap West: Edwards | 3290 |

TABLE 11.—(Continued)

| System or series | Group and/or formation | | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|---|
| Iowa (Lower Mississippian) series | Ste. Genevieve | Levias member | Ohara "lime" | Boyd: Jefferson | 2230 |
| | | | " | Browns: Edwards, Wabash | 2965 |
| | | | " | Bungay Consol.: Hamilton | 3335 |
| | | | " | Burnt Prairie South: White | 3415 |
| | | | " | Calhoun Consol.: Richland, Wayne | 3140 |
| | | | " | Centerville: White | 3310 |
| | | | " | Centerville East: White | 3175 |
| | | | " | Christopher Consol.: Franklin | 2675 |
| | | | " | Clay City Consol.: Clay, Wayne, Richland, Jasper | 3020 |
| | | | " | Coil West: Jefferson | 2790 |
| | | | " | Concord Consol.: White | 2930 |
| | | | " | Concord East Consol.: White | 2895 |
| | | | " | Cottage Grove: Saline | 2770 |
| | | | " | *Crossville: White | 3100 |
| | | | " | Dale Consol.: Hamilton, Saline, Franklin | 3110 |
| | | | " | Divide: Jefferson | 2705 |
| | | | " | Divide West: Jefferson | 2680 |
| | | | " | Dundas East: Richland, Jasper | 2905 |
| | | | " | Elba: Gallatin | 2820 |
| | | | " | Eldorado Consol.: Saline | 2900 |
| | | | " | Ellery Consol.: Edwards, Wayne | 3300 |
| | | | " | Ellery East: Edwards | 3250 |
| | | | " | †Enfield: White | 3310 |
| | | | " | Epworth Consol.: White | 3095 |
| | | | " | Exchange: Marion | 2695 |
| | | | " | Exchange East: Marion | 2775 |
| | | | " | Francis Mills South: Saline | 3010 |
| | | | " | Gards Point: Wabash | 2840 |
| | | | " | Gards Point North: Wabash | 2850 |
| | | | " | Goldengate Consol.: Wayne, White | 3250 |
| | | | " | Goldengate East: Wayne | 3290 |
| | | | " | Goldengate North Consol.: Wayne | 3300 |
| | | | " | Half Moon: Wayne | 3280 |
| | | | " | Harco East: Saline | 2880 |
| | | | " | Herald Consol.: White, Gallatin | 2965 |
| | | | " | Inman East Consol.: Gallatin | 2795 |
| | | | " | Inman West Consol.: Gallatin | 2815 |
| | | | " | Iuka: Marion | 2650 |
| | | | " | Johnsonville Consol.: Wayne | 3120 |
| | | | " | Johnsonville North: Wayne | 3190 |
| | | | " | Johnsonville West: Wayne | 2930 |
| | | | " | *Keensburg East: Wabash | 2705 |
| | | | " | Keensburg South: Wabash | 2715 |
| | | | " | Keenville: Wayne | 3050 |
| | | | " | King: Jefferson | 2765 |
| | | | " | Lancaster: Wabash, Lawrence | 2670 |
| | | | " | Lancaster Central: Wabash | 2750 |
| | | | " | Lancaster South: Wabash | 2670 |
| | | | " | Lawrence: Lawrence, Crawford | 1750 |
| | | | " | Lexington North: Wabash | 2915 |
| | | | " | Locust Grove: Wayne | 3240 |
| | | | " | Maple Grove Consol.: Edwards, Wayne | 3230 |
| | | | " | *Massilon: Wayne, Edwards | 3255 |
| | | | " | *Massilon South: Edwards | 3315 |
| | | | " | Maunie North Consol.: White | 2995 |
| | | | " | Mill Shoals: White, Hamilton, Wayne | 3320 |
| | | | " | *Mills Prairie: Edwards | 2925 |
| | | | " | Mills Prairie North: Edwards | 2925 |
| | | | " | Mt. Carmel: Wabash | 2320 |
| | | | " | Mt. Erie North: Wayne | 3170 |
| | | | " | Mt. Vernon: Jefferson | 2750 |

*Abandoned. †Abandoned, revived. xUndetermined.

TABLE 11.—(Continued)

| System or series | Group and/or formation | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|
| Iowa (Lower Mississippian) series | Ste. Genevieve | Levias member | Ohara "lime" | New Harmony Consol.: White, Wabash, Edwards | 2900 |
| | | " | Olney Consol.: Richland | 3005 |
| | | " | Omaha East: Gallatin | 2855 |
| | | " | Orchardville: Wayne | 2880 |
| | | " | Parkersburg Consol.: Richland, Edwards | 3100 |
| | | " | Parkersburg West: Richland, Edwards | 3220 |
| | | " | Phillipstown Consol.: White, Edwards | 3010 |
| | | " | Raccoon Lake: Marion | 1885 |
| | | " | Roaches: Jefferson | 2170 |
| | | " | Roland Consol.: White, Gallatin | 3020 |
| | | " | Ruark: Lawrence | 2275 |
| | | " | Ruark West Consol.: Lawrence | 2350 |
| | | " | Sailor Springs Consol.: Clay, Effingham | 2900 |
| | | " | Salem Consol.: Marion, Jefferson | 2075 |
| | | " | Samsville Northwest: Edwards | 3190 |
| | | " | Samsville West: Edwards | 3260 |
| | | " | Sumpter East: White | 3115 |
| | | " | Taylor Hill: Franklin | 3055 |
| | | " | Thackeray: Hamilton | 3435 |
| | | " | Trumbull: White | 3230 |
| | | " | West Frankfort: Franklin | 2760 |
| | | " | Whittington: Franklin | 2835 |
| | | " | Whittington West: Franklin | 2800 |
| | | " | Zenith South: Wayne | 2920 |
| | | Rosiclare member | Rosiclare | Aden Consol.: Wayne, Hamilton | 3320 |
| | | " | Aden South: Hamilton | 3330 |
| | | " | Akin West: Franklin | 3080 |
| | | " | Albion Consol.: Edwards, White | 3130 |
| | | " | Albion East: Edwards | 3125 |
| | | " | Allendale: Wabash, Lawrence | 2300 |
| | | " | Alma: Marion | 2085 |
| | | " | *Amity South: Richland | 2890 |
| | | " | Assumption Consol.: Christian | 1170 |
| | | " | Barnhill: Wayne | 3400 |
| | | " | Beman: Lawrence | 1850 |
| | | " | Beman East: Lawrence | 1860 |
| | | " | Benton North: Franklin | 2775 |
| | | " | Berryville Consol.: Wabash, Edwards | 2850 |
| | | " | Bible Grove North: Effingham | 2835 |
| | | " | Blairsville West: Hamilton | 3345 |
| | | " | Bogota: Jasper | 3090 |
| | | " | Bone Gap Consol.: Edwards | 3045 |
| | | " | Browns: Edwards, Wabash | 2975 |
| | | " | Bungay Consol.: Hamilton | 3400 |
| | | " | *Calhoun Central: Richland | 3245 |
| | | " | Calhoun Consol.: Richland, Wayne | 3160 |
| | | " | Calhoun North: Richland | 3155 |
| | | " | Centerville: White | x |
| | | " | Centerville East: White | 3185 |
| | | " | *Claremont Gas: Richland | 3200 |
| | | " | Clay City Consol.: Clay, Wayne, Richland, Jasper | 3030 |
| | | " | Coil West: Jefferson | 2805 |
| | | " | Concord Consol.: White | 3035 |
| | | " | Concord East Consol.: White | 2875 |
| | | " | †Cooks Mills Consol.: Coles | 1820 |
| | | " | Cooks Mills East: Coles | 1800 |
| | | " | Dale Consol.: Hamilton, Saline, Franklin | 3130 |
| | | " | Divide East: Jefferson | 2700 |
| | | " | Divide West: Jefferson | 2700 |

TABLE 11.—(Continued)

| System or series | Group and/or formation | | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|---|
| Iowa (Lower Mississippian) series | Ste. Genevieve | Rosiclare member | Rosiclare | Dubois Central: Washington | 1525 |
| | | | " | Dundas East: Richland, Jasper | 2920 |
| | | | " | Eberle: Effingham | 2680 |
| | | | " | Eldorado Consol.: Saline | 2900 |
| | | | " | Eldorado East: Saline | 2975 |
| | | | " | Ellery Consol.: Edwards, Wayne | 3320 |
| | | | " | Ellery East: Edwards | 3255 |
| | | | " | †Ellery North: Edwards | 3345 |
| | | | " | *Elliottstown: Effingham | 2730 |
| | | | " | Epworth Consol.: White | 3115 |
| | | | " | *Evers: Effingham | 2610 |
| | | | " | *Evers South: Effingham | 2650 |
| | | | " | Exchange East: Marion | 2780 |
| | | | " | Goldengate Consol.: Wayne, White | 3275 |
| | | | " | Goldengate North Consol.: Wayne | 3325 |
| | | | " | Half Moon: Wayne | 3280 |
| | | | " | Herald Consol.: White, Gallatin | 3005 |
| | | | " | Hidalgo North: Cumberland | 2655 |
| | | | " | Hill East: Effingham | 2660 |
| | | | " | *Hunt City: Jasper | 2540 |
| | | | " | †Ingraham: Clay | 3000 |
| | | | " | Inman East Consol.: Gallatin | 2790 |
| | | | " | Inman West Consol.: Gallatin | 2815 |
| | | | " | Iola Consol.: Clay, Effingham | 2400 |
| | | | " | Iola South: Clay | 2590 |
| | | | " | Iuka: Marion | 2660 |
| | | | " | Johnsonville Consol.: Wayne | 3150 |
| | | | " | Johnsonville North: Wayne | 3220 |
| | | | " | Johnsonville South: Wayne | 3160 |
| | | | " | Johnsonville West: Wayne | 3015 |
| | | | " | Junction North: Gallatin | 2860 |
| | | | " | Keenville: Wayne | 3060 |
| | | | " | Kenner: Clay | 2875 |
| | | | " | King: Jefferson | 2815 |
| | | | " | Lancaster Central: Wabash | 2810 |
| | | | " | Lancaster East: Wabash | 2660 |
| | | | " | Lawrence: Lawrence, Crawford | 1860 |
| | | | " | Locust Grove South: Wayne | 3300 |
| | | | " | Maple Grove Consol.: Edwards, Wayne | 3250 |
| | | | " | Mason North: Effingham | 2390 |
| | | | " | Mattoon: Coles | 1950 |
| | | | " | Maunie North Consol.: White | 3025 |
| | | | " | Maunie South: White | 2900 |
| | | | " | Mill Shoals: White, Hamilton, Wayne | 3345 |
| | | | " | Mt. Carmel: Wabash | 2350 |
| | | | " | Nason: Jefferson | 2790 |
| | | | " | New Harmony Consol.: White, Wabash Edwards | 2910 |
| | | | " | Olney Consol.: Richland | 3050 |
| | | | " | †Olney South: Richland | 3100 |
| | | | " | Omaha South: Gallatin, Saline | 2865 |
| | | | " | Parkersburg Consol.: Richland, Edwards | 3150 |
| | | | " | Passport: Clay | 3005 |
| | | | " | Passport South: Richland | 3025 |
| | | | " | Passport West: Clay | 3030 |
| | | | " | Patoka: Marion | 1550 |
| | | | " | Phillipstown Consol.: White, Edwards | 2960 |
| | | | " | Raccoon Lake: Marion | 1930 |
| | | | " | Riffle: Clay | 2735 |
| | | | " | Rinard North: Wayne | 3135 |
| | | | " | Ritter: Richland | 3210 |
| | | | " | Roaches: Jefferson | 2190 |
| | | | " | Roaches North: Jefferson | 2115 |

*Abandoned †Abandoned, revived. xUndetermined.

TABLE 11.—(Continued)

| System or series | Group and/or formation | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|
| Iowa (Lower Mississippian) series | Ste. Genevieve | Rosiclare | Roland Consol.: White, Gallatin | 3050 |
| | | " | Ruark West Consol.: Lawrence | 2390 |
| | | " | *Rural Hill North: Hamilton | 3325 |
| | | " | Russellville West: Lawrence | 1560 |
| | | " | St. James: Fayette | 1860 |
| | | " | St. Paul: Fayette | 2080 |
| | | " | Sailor Springs Central: Clay | 3015 |
| | | " | Sailor Springs Consol.: Clay, Effingham | 2900 |
| | | " | *Sailor Springs North: Clay | 2985 |
| | | " | Salem Consol.: Marion, Jefferson | 2100 |
| | | " | Samsville West: Edwards | 3275 |
| | Rosiclare member | " | Schnell South: Clay | 3005 |
| | | " | Sesser: Franklin | 2810 |
| | | " | Sumpter East: White | 3140 |
| | | " | Toliver East: Clay | 2815 |
| | | " | Tonti: Marion | 2125 |
| | | " | Trumbull: White | 3270 |
| | | " | *Wakefield: Jasper | 3100 |
| | | " | Walpole: Hamilton | 3195 |
| | | " | West Frankfort: Franklin | 2810 |
| | | " | Whittington: Franklin | 2880 |
| | | " | Whittington West: Franklin | 2780 |
| | | " | Woodlawn: Jefferson | 2205 |
| | | " | Zenith North: Wayne | 3080 |
| | | McClosky "lime" | Ab Lake West: Gallatin | 2830 |
| | | " | Aden Consol.: Wayne, Hamilton | 3350 |
| | | " | Aden South: Hamilton | 3395 |
| | | " | Akin: Franklin | 3270 |
| | | " | Akin West: Franklin | 3130 |
| | | " | Albion Consol.: Edwards, White | 3200 |
| | | " | Albion East: Edwards | 3155 |
| | | " | *Albion West: Edwards | 3375 |
| | | " | Allendale: Wabash, Lawrence | 2300 |
| | | " | Amity: Richland | 2960 |
| | | " | Barnhill: Wayne | 3450 |
| | | " | Belle Prairie: Hamilton | 3420 |
| | | " | Belle Rive: Jefferson | 3085 |
| | | " | *Bennington South: Edwards | 3240 |
| | | " | Benton North: Franklin | 2800 |
| | | " | Berryville Consol.: Wabash, Edwards | 2890 |
| | | " | Bible Grove North: Effingham | 2875 |
| | | " | Blairsville West: Hamilton | 3405 |
| | | " | Bogota: Jasper | 3110 |
| | Fredonia member | " | *Bogota North: Jasper | 3080 |
| | | " | Bogota South: Jasper | 3075 |
| | | " | Bone Gap Consol.: Edwards | 3200 |
| | | " | Bone Gap East: Edwards | 3050 |
| | | " | *Broughton: Hamilton | 3275 |
| | | " | *Broughton South: Saline | 3215 |
| | | " | Browns: Edwards, Wabash | 3000 |
| | | " | Bungay Consol.: Hamilton | 3425 |
| | | " | Burnt Prairie South: White | 3460 |
| | | " | *Calhoun Central: Richland | 3280 |
| | | " | Calhoun Consol.: Richland, Wayne | 3180 |
| | | " | Calhoun East: Richland | 3265 |
| | | " | Calhoun North: Richland | 3170 |
| | | " | Carmi: White | 3150 |
| | | " | Centerville: White | 3370 |
| | | " | Centerville East: White | 3230 |
| | | " | Clay City Consol.: Clay, Wayne, Richland, Jasper | 3050 |
| | | " | Clay City West: Clay | 3065 |

TABLE 11.—(Continued)

| System or series | Group and/or formation | | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|---|
| Iowa (Lower Mississippian) series | Ste. Genevieve | Fredonia member | McClosky "lime" | Coil: Wayne | 3065 |
| | | | " | Coil West: Jefferson | 2880 |
| | | | " | Concord Consol.: White | 2990 |
| | | | " | Concord East Consol.: White | 2960 |
| | | | " | †Cooks Mills Consol.: Coles | 1840 |
| | | | " | Covington South: Wayne | 3310 |
| | | | " | *Crossville: White | 3120 |
| | | | " | Dahlgren: Hamilton | 3300 |
| | | | " | Dale Consol.: Hamilton, Saline, Franklin | 3150 |
| | | | " | Divide: Jefferson | 2750 |
| | | | " | Divide East: Jefferson | 2750 |
| | | | " | Divide South: Jefferson | 2880 |
| | | | " | Divide West: Jefferson | 2750 |
| | | | " | Dundas East: Richland, Jasper | 2950 |
| | | | " | Eberle: Effingham | 2820 |
| | | | " | Elbridge: Edgar | 950 |
| | | | " | Eldorado Consol.: Saline | 2975 |
| | | | " | *Elk Prairie: Jefferson | 2735 |
| | | | " | Ellery Consol.: Edwards, Wayne | 3350 |
| | | | " | †Ellery North: Edwards | 3420 |
| | | | " | †Ellery South: Edwards | 3300 |
| | | | " | †Enfield: White | 3385 |
| | | | " | *Evers: Effingham | 2660 |
| | | | " | Ewing: Franklin | 2970 |
| | | | " | Exchange: Marion | 2730 |
| | | | " | Exchange East: Marion | 2840 |
| | | | " | *Exchange North: Marion | 2715 |
| | | | " | Flora South: Clay | 2985 |
| | | | " | Goldengate Consol.: Wayne, White | 3310 |
| | | | " | Goldengate North Consol.: Wayne | 3350 |
| | | | " | Half Moon: Wayne | 3300 |
| | | | " | Herald Consol.: White, Gallatin | 3010 |
| | | | " | †Hidalgo: Jasper | 2575 |
| | | | " | *Hill: Effingham | 2565 |
| | | | " | Hill East: Effingham | 2700 |
| | | | " | *Hoodville East: Hamilton | 3365 |
| | | | " | Hord: Clay | 2800 |
| | | | " | Hord South: Clay | 2790 |
| | | | " | *Hunt City East: Jasper | 1845 |
| | | | " | Hunt City South: Jasper | 2445 |
| | | | " | Ina North: Jefferson | 2940 |
| | | | " | †Ingraham: Clay | 3075 |
| | | | " | Inman East Consol.: Gallatin | 2800 |
| | | | " | Inman West Consol.: Gallatin | 2940 |
| | | | " | Iola Consol.: Clay, Effingham | 2425 |
| | | | " | Iola South: Clay | 2650 |
| | | | " | *Iola West: Clay | 2495 |
| | | | " | Iuka: Marion | 2750 |
| | | | " | Iuka West: Marion | 2700 |
| | | | " | Johnsonville Consol.: Wayne | 3170 |
| | | | " | Johnsonville North: Wayne | 3250 |
| | | | " | Johnsonville South: Wayne | 3200 |
| | | | " | Johnsonville West: Wayne | 3100 |
| | | | " | Junction: Gallatin | 2730 |
| | | | " | *Keensburg East: Wabash | 2710 |
| | | | " | Keenville: Wayne | 3100 |
| | | | " | Keenville East: Wayne | 3140 |
| | | | " | *Kell: Jefferson | 2625 |
| | | | " | Kenner: Clay | 2930 |
| | | | " | Kenner North: Clay | 2970 |
| | | | " | *Kenner South: Clay | 2870 |
| | | | " | Kenner West: Clay | 2870 |

*Abandoned. †Abandoned, revived. xUndetermined.

TABLE 11.—(Continued)

| System or series | Group and/or formation | | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|---|
| Iowa (Lower Mississippian) series | Ste. Genevieve | Fredonia member | McClosky "lime" | King: Jefferson | 2840 |
| | | | " | Lancaster: Wabash, Lawrence | 2690 |
| | | | " | Lancaster Central: Wabash | 2815 |
| | | | " | Lancaster South: Wabash | 2720 |
| | | | " | Lawrence: Lawrence, Crawford | 1860 |
| | | | " | Lawrence West: Lawrence | 2225 |
| | | | " | Lexington: Wabash | 2970 |
| | | | " | Lillyville: Cumberland, Effingham | 2425 |
| | | | " | Locust Grove: Wayne | 3280 |
| | | | " | Long Branch: Saline, Hamilton | 3220 |
| | | | " | Louden: Fayette, Effingham | 1785 |
| | | | " | Lynchburg: Jefferson | 3045 |
| | | | Oblong "sand" | Main: Crawford, Lawrence | 1400 |
| | | | McClosky "lime" | Maple Grove Consol.: Edwards, Wayne | 3260 |
| | | | " | *Maple Grove South: Edwards | 3250 |
| | | | " | *Marco: Jefferson | 2745 |
| | | | " | Markham City: Jefferson | 3070 |
| | | | " | Markham City North: Jefferson, Wayne | 3075 |
| | | | " | Markham City West: Jefferson | 3035 |
| | | | " | Mason: Effingham | 2500 |
| | | | " | Mason North: Effingham | 2475 |
| | | | " | Mattoon: Coles | 2010 |
| | | | " | Maunie North Consol.: White | 3035 |
| | | | " | Maunie South: White | 2920 |
| | | | " | Mayberry: Wayne | 3350 |
| | | | " | *Mayberry North: Wayne | 3330 |
| | | | " | Miletus: Marion | 2350 |
| | | | " | Mill Shoals: White, Hamilton, Wayne | 3375 |
| | | | " | Mt. Carmel: Wabash | 2360 |
| | | | " | Mt. Erie North: Wayne | 3240 |
| | | | " | Mt. Vernon: Jefferson | 2800 |
| | | | " | New Harmony Consol.: White, Wabash, Edwards | 2925 |
| | | | " | New Harmony South: White | 3010 |
| | | | " | New Haven Consol.: White | 2820 |
| | | | " | Newton: Jasper | 2950 |
| | | | " | *Newton North: Jasper | 2855 |
| | | | " | †Newton West: Jasper | 3000 |
| | | | " | Noble West: Clay | 3035 |
| | | | " | Olney Consol.: Richland | 3100 |
| | | | " | †Olney South: Richland | 3115 |
| | | | " | Omaha West: Saline | 2910 |
| | | | " | *Omega: Marion | 2490 |
| | | | " | Orchardville: Wayne | 2905 |
| | | | " | Oskaloosa East: Clay | 2895 |
| | | | " | Oskaloosa South: Clay | 2770 |
| | | | " | Parkersburg Consol.: Richland, Edwards | 3175 |
| | | | " | Parkersburg West: Richland, Edwards | 3260 |
| | | | " | Passport: Clay | 3020 |
| | | | " | Passport South: Richland | 3030 |
| | | | " | Patoka East: Marion | 1635 |
| | | | " | Phillipstown Consol.: White, Edwards | 3000 |
| | | | " | *Pinkstaff: Lawrence | 1735 |
| | | | " | Pinkstaff East: Lawrence | 1640 |
| | | | " | Raccoon Lake: Marion | 1950 |
| | | | " | Reservoir: Jefferson | 2700 |
| | | | " | Ridgway: Gallatin | 2840 |
| | | | " | *Rinard: Wayne | 3145 |
| | | | " | Rinard North: Wayne | 3140 |
| | | | " | Ritter North: Richland | 3215 |
| | | | " | Roaches: Jefferson | 2250 |
| | | | " | Roland Consol.: White, Gallatin | 3070 |
| | | | " | Ruark West Consol.: Lawrence | 2400 |

TABLE 11.—(Continued)

| System or series | Group and/or formation | | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|---|
| Iowa (Lower Mississippian) series | Ste. Genevieve | Fredonia member | McClosky "lime" | Russellville: Lawrence | 1560 |
| | | | " | Ste. Marie: Jasper | 2860 |
| | | | " | *Ste. Marie East: Jasper | 2685 |
| | | | " | Ste. Marie West: Jasper | 2815 |
| | | | " | Sailor Springs Consol.: Clay, Effingham | 2925 |
| | | | " | Sailor Springs East: Clay | 3020 |
| | | | " | *Sailor Springs North: Clay | 3030 |
| | | | " | Salem Consol.: Marion, Jefferson | 2050 |
| | | | " | Samsville West: Edwards | 3275 |
| | | | " | Schnell: Richland | 3000 |
| | | | " | *Schnell East: Richland | 3115 |
| | | | " | Seminary: Richland | 3195 |
| | | | " | Sesser: Franklin | 2840 |
| | | | " | †Shawneetown North: Gallatin | 3045 |
| | | | " | Stanford South: Clay | 3090 |
| | | | " | Storms Consol.: White | 3055 |
| | | | " | Stringtown: Richland | 3025 |
| | | | " | *Stringtown East: Richland | 3010 |
| | | | " | Sumner: Lawrence | 2260 |
| | | | " | Sumpter East: White | 3150 |
| | | | " | Thackeray: Hamilton | 3500 |
| | | | " | *Thompsonville: Franklin | 3120 |
| | | | " | Toliver East: Clay | 2840 |
| | | | " | Tonti: Marion | 2130 |
| | | | " | Trumbull: White | 3290 |
| | | | " | Valier: Franklin | 2715 |
| | | | " | Wakefield North: Jasper | 3000 |
| | | | " | Wakefield South: Jasper | 3040 |
| | | | " | West Frankfort: Franklin | 2825 |
| | | | " | Whittington: Franklin | 2870 |
| | | | " | Whittington West: Franklin | 2900 |
| | | | " | Williams Consol: Jefferson | x |
| | | | " | Willow Hill East: Jasper | 2645 |
| | | | " | Woodlawn: Jefferson | 2200 |
| | | | " | Zenith: Wayne | 2970 |
| | | | " | Zenith North: Wayne | 3140 |
| | | | " | Zenith South: Wayne | 2985 |
| | St. Louis | | St. Louis ls. | Clay City Consol.: Clay, Wayne, Richland, Jasper | 3025 |
| | | | " | Divide: Jefferson | 2850 |
| | | | " | Ellery Consol: Edwards, Wayne | 3430 |
| | | | " | Exchange East: Marion | 2940 |
| | | | " | Frogtown North: Clinton | 1200 |
| | | | " | †Ina: Jefferson | 3000 |
| | | | " | Iuka: Marion | 2775 |
| | | | " | Lawrence: Lawrence, Crawford | 1660 |
| | | | Martinsville "sand" | Martinsville: Clark | 480 |
| | | | St. Louis ls. | New Harmony Consol.: White, Wabash, Edwards | 3140 |
| | | | " | Roland Consol.: White, Gallatin | x |
| | | | " | Salem Consol.: Marion, Jefferson | 2100 |
| | | | " | Whittington: Franklin | 3080 |
| | St. Louis-Salem | | Westfield ls. | Westfield: Clark, Coles | 335 |

*Abandoned. †Abandoned, revived. xUndetermined.

TABLE 11.—(Continued)

| System or series | Group and/or formation | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|
| Iowa (Lower Mississippian) series | Salem | Salem ls. | Aden Consol.: Wayne, Hamilton | 3735 |
| | | " | Barnhill: Wayne | 3795 |
| | | " | Clay City Consol.: Clay, Wayne, Richland, Jasper | 3590 |
| | | " | Grandview: Edgar | 570 |
| | | " | *Jacksonville Gas: Morgan | 330 |
| | | " | Lawrence: Lawrence, Crawford | 1955 |
| | | " | Main: Crawford, Lawrence | 1815 |
| | | " | New Harmony Consol.: White, Wabash, Edwards | 3755 |
| | | " | Salem Consol.: Marion, Jefferson | 2160 |
| | Warsaw | Warsaw ls. | Clay City Consol.: Clay, Wayne, Richland, Jasper | 3600 |
| | Osage group | Carper | Casey: Clark | 1300 |
| | | " | Johnson North: Clark | 1325 |
| | | " | Louden: Fayette, Effingham | 2830 |
| | | " | Martinsville: Clark | 1340 |
| | | " | Mattoon: Coles | 2950 |
| | | " | Oak Point: Clark | 2220 |
| | | Cole | Weaver: Clark | 1565 |
| | | Carper | Westfield: Clark, Coles | 875 |
| Kinderhook (Lower Mississippian) series | | Sylamore "Hardin" | Marine: Madison | 1700 |
| | | " | St. Jacob East: Madison | 1840 |
| Devonian system | | Cedar Valley ls. | Assumption Consol.: Christian | 2300 |
| | | " | Assumption South: Christian | 2630 |
| | | Devonian ls. | Bartelso South: Clinton | 2475 |
| | | Clear Creek chert | Beaucoup: Washington | 3050 |
| | | Geneva dol. | Boulder: Clinton | 2630 |
| | | Devonian ls. | Boulder East: Clinton | 2850 |
| | | Several ls. | Centralia: Clinton, Marion | 2870 |
| | | Clear Creek chert | Christopher Consol.: Franklin | 4430 |
| | | Devonian ls. | Clay City Consol.: Clay, Wayne, Richland, Jasper | 4350 |
| | | Hoing ss. | Colmar-Plymouth: Hancock, McDonough | 450 |
| | | Devonian ls. | Dudleyville East: Bond | 2370 |
| | | Cedar Valley ls. | *Edinburg: Christian | 1810 |
| | | Hibbard "sand" | Edinburg South: Christian | 1790 |
| | | Devonian ls. | Edinburg West: Christian, Sangamon | 1690 |
| | | " | Elbridge: Edgar | 1950 |
| | | Bailey ls. | Elkton: Washington | 2340 |
| | | Devonian ls. | Gays: Moultrie | 3205 |
| | | Clear Creek chert | Hoyleton West: Washington | 2895 |
| | | " | Irvington: Washington | 3090 |
| | | Hibbard "sand" | Kincaid: Christian | 1780 |
| | | " | Kincaid South: Christian | 1850 |
| | | Geneva dol. | Louden: Fayette, Effingham | 3000 |
| | | Devonian ls. | Main: Crawford, Lawrence | 2795 |
| | | " | Martinsville: Clark | 1550 |
| | | Cedar Valley ls. | Oakley: Macon | 2285 |
| | | Geneva dol. | Patoka: Marion | 2835 |
| | | " | Patoka East: Marion | 2950 |
| | | Devonian ls. | Posey East: Clinton | 2740 |
| | | " | *Posey West: Clinton | 2585 |
| | | Several ls. | Salem Consol.: Marion, Jefferson | 3440 |

TABLE 11.—(Concluded)

| System or series | Group and/or formation | Producing strata (sandstone unless otherwise noted) | Pool: county | Approximate depth in feet |
|---|---|---|---|---|
| Devonian system | | Geneva dol. | Sandoval: Marion | 2920 |
| | | Clear Creek chert | Sesser: Franklin | 4360 |
| | | Lingle ss. | †Sorento: Bond | 1850 |
| | | Devonian ls. | Tonti: Marion | 3500 |
| | | " | Weaver: Clark | 2030 |
| | | Lingle ss. | Woburn Consol.: Bond | 2275 |
| | | " | Woodlawn: Jefferson | 3690 |
| Devonian-Silurian | | Devonian-Silurian ls. | Frogtown North: Clinton | 2250 |
| | | " | New Memphis North: Clinton | 2050 |
| | | " | Raccoon Lake: Marion | 3330 |
| | | " | Waverly Gas: Morgan | 1020 |
| Silurian system | | Silurian ls. | Baldwin: Randolph | 1535 |
| | | " | Bartelso: Clinton | 2420 |
| | | " | Bartelso East: Clinton | 2550 |
| | | " | Blackland: Macon, Christian | 1935 |
| | | " | Boulder: Clinton | 2630 |
| | | " | *Collinsville: Madison | 1305 |
| | | " | Decatur: Macon | 2000 |
| | | " | *Decatur North: Macon | 2220 |
| | | " | Edinburg West: Christian, Sangamon | 1690 |
| | | Edgewood dol. | Fishhook Gas: Pike, Adams | 450 |
| | | Silurian ls. | Glenarm: Sangamon | 1680 |
| | | " | Harristown: Macon | 2050 |
| | | " | McKinley: Washington | 2240 |
| | | " | Marine: Madison | 1700 |
| | | " | Mt. Auburn Consol.: Christian | 1890 |
| | | " | New City: Sangamon | 1730 |
| | | " | New Memphis: Clinton | 1980 |
| | | " | *New Memphis South: Clinton | 2000 |
| | | " | Okawville: Washington | 2325 |
| | | " | Okawville North: Washington | 2235 |
| | | " | *Pittsfield Gas: Pike | 265 |
| | | " | †Roby: Sangamon | 1775 |
| | | " | Tilden: Randolph | 2160 |
| | | " | Tovey: Christian | 1850 |
| Ordovician system | | "Trenton" ls. | Beaucoup: Washington | 4095 |
| | | " | Centralia: Clinton, Marion | 3930 |
| | | " | *Craig: Perry | 3650 |
| | | " | Dupo: St. Clair | 700 |
| | | " | Louden: Fayette, Effingham | 3905 |
| | | " | Martinsville: Clark | 2700 |
| | | " | Posen: Washington | 3900 |
| | | " | Posen North: Washington | 4015 |
| | | " | St. Jacob: Madison | 2260 |
| | | " | Salem Consol.: Marion, Jefferson | 4500 |
| | | " | Shattuc: Clinton | 4020 |
| | | " | †Waterloo: Monroe | 410 |
| | | " | Westfield: Clark, Coles | 2300 |
| | | " | Woburn Consol.: Bond | 3170 |

*Abandoned. †Abandoned, revived. xUndetermined.

**Footnotes to Tables 12 and 13, pp. 98-153**

[a] Cam, Cambrian; Ord, Ordovician; Sil, Silurian; Dev, Devonian; Mis, Mississippian; Mis L, Lower Mississippian; Mis U, Upper Mississippian; Pen, Pennsylvanian.

[b] L, Limestone; LS, sandy limestone; OL, oolitic limestone; D, dolomite; DS, sandy dolomite; S, sandstone.

[c] A, anticlinal; AC, anticline with accumulation due to change in character of rock; AF, anticline with faulting as an important factor; Af, anticline with faulting as a minor factor; AL, anticline-lens; AM, accumulation due to both anticlinal and monoclinal structures; D, dome; H, strata horizontal or nearly horizontal; MC, monocline with accumulation due to change in character of rock; MF, monocline-fault; ML, monocline-lens; MU, monocline-unconformity; R, reef.

x Not determinable.

[1] Wells producing from 2 or more pays.

[2] Abandoned 1945; revived 1950.

[3] Total of lines 2, 8, 12, 13, 18, 25, 31, and 36.

[4] Includes Allison-Weger, Birds, Chapman, Flat Rock, Hardinsville, Kibbe, New Hebron, Oblong, Parker, Robinson, and Swearingen Gas.

[5] Pool also listed in table 13.

[6] Pool also listed in table 12.

[7] Total of lines 52 and 67.

[8] Total of lines 1, 41, 42, 68, and 69.

[9] Abandoned 1943.

[10] Reef structure.

[11] Abandoned 1925; revived 1942.

[12] Anticline with accumulation due to change in character of rock.

[13] Anticline lens.

[14] Abandoned 1921.

[15] Abandoned 1933; revived 1949.

[16] Abandoned 1950.

[17] Abandoned 1935.

[18] Abandoned 1923.

[19] Abandoned 1937.

[20] Abandoned 1904; revived 1942.

[21] Gas not used until 1905; abandoned 1930.

[22] Abandoned 1934.

[23] Abandoned 1900.

[24] Abandoned 1919.

[25] Abandoned 1930; revived 1939; converted in part to gas storage 1951.

[26] Total of lines 93 to 119, inclusive.

[27] Total of lines 1–12.

[28] Has produced in multiple pay or workover wells only.

[29] Abandoned 1953.

[30] Abandoned 1953.

[31] Abandoned 1954.

[32] Abandoned 1954.

[33] Abandoned 1946.

[34] Abandoned 1950.

[35] Abandoned 1955.

[36] Abandoned 1954.

[37] Abandoned 1952.

[38] Abandoned 1952.

[39] Abandoned 1953.

[40] Abandoned 1954.

[41] Abandoned 1953.

[42] Abandoned 1949; revived 1952.

[43] Abandoned 1948.

[44] Abandoned 1951; revived 1953.

[45] Abandoned 1952.

[46] Includes Concord North.

[47] Includes Cooks Mills, Cooks Mills North and Cooks Mills Gas.

[48] Abandoned 1951.

[49] Abandoned 1952.

[50] Abandoned 1953.

[51] Includes Cantrell Consolidated, Flannigan, Rural Hill West, and West End.

[52] Abandoned 1955.

[53] Abandoned 1946.

[54] Includes Dubois West.

[55] Abandoned 1951.

[56] Includes Eldorado Central and Eldorado North.

[57] Abandoned 1940.

[58] Abandoned 1943; revived and abandoned 1951; revived 1954.

[59] Abandoned 1952; revived 1953.

[60] Abandoned 1951.

[61] Abandoned 1951; revived 1952.

[62] Abandoned 1949; revived 1953.

[63] Abandoned 1951.

[64] Abandoned 1952; revived 1955.

[65] Abandoned 1952.

[66] Abandoned 1950; revived 1955.

[67] Includes Concord South Consolidated.

[68] Abandoned 1943; revived 1949; abandoned 1952.

[69] Abandoned 1950.

[70] Abandoned 1944.

[71] Includes Toliver.

[72] Abandoned 1950.

[73] Abandoned 1954.

[74] Abandoned 1946; revived 1954.

[75] Abandoned 1945; revived 1950.

[76] Abandoned 1945.

[77] Abandoned 1947.

[78] Abandoned 1946.

[79] Abandoned 1952.

[80] Abandoned 1954.

[81] Abandoned 1950.

[82] Abandoned 1941.

[83] Abandoned 1953.

[84] Abandoned 1947.

[85] Abandoned 1952; revived 1955.

[86] Includes Maunie West.

[87] Abandoned 1950.

[88] Abandoned 1950.

[89] Abandoned 1948; revived 1952; abandoned 1954.

[90] Illinois portion only.

[91] Abandoned 1952.

[92] Abandoned 1948.

[93] Abandoned 1953.

[94] Abandoned 1940; revived 1949.

[95] Abandoned 1949.

[96] Abandoned 1947; revived 1951; abandoned 1954.

[97] Abandoned 1951.

[98] Abandoned 1954.

[99] Abandoned 1946; revived 1955.

[100] Abandoned 1942.

[101] Abandoned 1951; revived 1954.

[102] Includes Norris City.

[103] Abandoned 1950.

[104] Abandoned 1951.

[105] Abandoned 1952; revived 1955.

[106] Abandoned 1951; revived 1955.

[107] Abandoned 1942; revived 1951; abandoned 1952.

[108] Abandoned 1947.

[109] Abandoned 1954.

[110] Abandoned 1950; revived 1955.

[111] Abandoned 1953; revived 1955.

[112] Abandoned 1955.

[113] Abandoned 1940; revived 1947.

[114] Abandoned 1950.

[115] Abandoned 1950.

[116] Abandoned 1947.

[117] Abandoned 1947; revived 1953; abandoned 1954.

[118] Includes Flora.

TABLE 12.—OIL PRODUC-

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 1 | Warrenton-Borton: Edgar, Coles | 1906 | 0 | x | 0 | 32,000 |
| 2 | Westfield: Clark, | 1904 | 7,000 | x | 38,000 | x |
| 3 | Coles | | 7,000 | x | 38,000 | x |
| 4 | | | 0 | x | 0 | x |
| 5 | | | 0 | x | 0 | x |
| 6 | | | 0 | x | 0 | x |
| 7 | | | | | | |
| 8 | Siggins: Cumberland, | 1906 | 934,000 | x | 8,765,000 | x |
| 9 | Clark | | x | x | x | x |
| 10 | | | x | x | x | x |
| 11 | | | x | x | x | x |
| 12 | York: Cumberland, Clark[2] | 1907 | 1,000 | x | 11,000 | x |
| 13 | Casey: Clark | 1906 | 48,000 | x | 327,000 | x |
| 14 | | | 0 | x | 0 | x |
| 15 | | | 0 | x | 0 | x |
| 16 | | | 48,000 | x | 327,000 | x |
| 17 | | | 0 | x | 0 | x |
| 18 | Martinsville: Clark | 1907 | 500 | x | 13,000 | x |
| 19 | | | 0 | x | 0 | x |
| 20 | | | 0 | x | 0 | x |
| 21 | | | 0 | x | 0 | x |
| 22 | | | 500 | x | 13,000 | x |
| 23 | | | 0 | x | 0 | x |
| 24 | | | 0 | x | 0 | x |
| 25 | Johnson North: Clark | 1907 | 47,000 | x | 412,000 | x |
| 26 | | | 0 | x | 0 | x |
| 27 | | | 0 | x | 0 | x |
| 28 | | | 47,000 | x | 412,000 | x |
| 29 | | | 0 | x | 0 | x |
| 30 | | | 0 | x | 0 | x |
| 31 | Johnson South: Clark | 1907 | 479,000 | x | 1,273,000 | x |
| 32 | | | 0 | x | 0 | x |
| 33 | | | 0 | x | 0 | x |
| 34 | | | 479,000 | x | 1,273,000 | x |
| 35 | | | 0 | x | 0 | x |
| 36 | Bellair: Crawford, Jasper | 1907 | 159,000 | x | 1,364,000 | x |
| 37 | | | 159,000 | x | 1,364,000 | x |
| 38 | | | 0 | x | 0 | x |
| 39 | | | 0 | x | 0 | x |
| 40 | | | 0 | x | 0 | x |
| 41 | | | 0 | x | 0 | x |
| 42 | | | 0 | x | 0 | x |
| 43 | Clark County Division[3] | | 1,675,000 | 1,886,000 | 12,203,000 | 68,602,000 |
| 44 | Main: Crawford, Lawrence[4, 5] | 1906 | 1,610,000 | 2,599,000 | 5,392,000 | 169,660,000 |
| 45 | | | 0 | x | 0 | x |
| 46 | | | 0 | x | 0 | x |
| 47 | | | 1,610,000 | x | 5,392,000 | x |
| 48 | | | 0 | x | 0 | x |
| 49 | | | 0 | x | 0 | x |
| 50 | | | 0 | x | 0 | x |
| 51 | | | 0 | x | 0 | x |
| 52 | | | 0 | x | 0 | x |
| 53 | | | 0 | x | 0 | x |
| 54 | | | 0 | x | 0 | x |
| 55 | | | | | | |
| 56 | Lawrence: Lawrence, Crawford | 1906 | 2,069,000 | x | 6,096,000 | x |
| 57 | | | 0 | x | 0 | x |

TION IN ILLINOIS, 1955

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1955 | | | | | |
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | Completed | Abandoned | Producing end of year | | Name | Depth of hole (ft.) |
| 150 | Unnamed: Pen | S | 200 | 20 | 29 | 0 | 0 | 2 | ML | Trenton | 2,212 |
| 10,000 | | | | | 1,665 | 2 | 6 | 185 | D | St. Peter | 3,009 |
| 9,050 | Gas: Pen | S | 280 | 25 | 208 | 0 | 4 | | D | | |
| 9,000 | Westfield: MisL | L | 335 | x | 1,450 | 0 | 2 | | D | | |
| 50 | Carper: MisL | S | 875 | 18 | 5 | 2 | 0 | | D | | |
| 300 | Trenton: Ord | L | 2,300 | 40 | 19 | 0 | 0 | | D | | |
| | | | | | 3 | 0 | 0 | | | | |
| 4,000 | | | | | 1,042 | 0 | 9 | 474 | D | Dev | 2,010 |
| 3,200 | 1st (Upper) Siggins: Pen | S | 400 | 25 | 888 | 0 | x | | D | | |
| 500 | 2nd (Lower) Siggins: Pen | S | 480 | x | 93 | 0 | x | | D | | |
| 1,000 | 3rd Siggins: Pen | S | 580 | 40 | 202 | 0 | x | | D | | |
| 350 | Isobel: Pen | S | 590 | 15 | 71 | 0 | 0 | 7 | AM | Dev | 2,622 |
| 2,100 | | | | | 442 | 0 | 12 | 293 | AM | Dev | 1,717 |
| 200 | Upper Gas: Pen | S | 265 | x | 42 | 0 | 0 | | AM | | |
| 400 | Lower Gas: Pen | S | 310 | x | 82 | 0 | 4 | | AM | | |
| 1,540 | Casey: Pen | S | 445 | 10 | 326 | 0 | 8 | | AM | | |
| 20 | Carper: MisL | S | 1,300 | 50 | 2 | 0 | 0 | | AM | | |
| 1,500 | | | | | 255 | 10 | 3 | 134 | D | St. Peter | 3,411 |
| 40 | Shallow: Pen | S | 255 | x | 8 | 1 | 0 | | D | | |
| 380 | Casey: Pen | S | 500 | x | 83 | 8 | 2 | | D | | |
| 780 | Martinsville: MisL | L | 480 | x | 23 | 0 | 1 | | D | | |
| 720 | Carper: MisL | S | 1,340 | 40 | 48 | 1 | 0 | | D | | |
| 680 | Devonian: Dev | L | 1,550 | x | 43 | 0 | 0 | | D | | |
| 20 | Trenton: Ord | L | 2,700 | x | 2 | 0 | 0 | | D | | |
| 2,400 | | | | | 499 | 1 | 0 | 272 | AM | Dev | 2,260 |
| 1,200 | Claypool: Pen | S | 415 | x | 298 | 0 | 0 | | AM | | |
| 200 | Kickapoo: Pen | S | 315 | x | 33 | 0 | 0 | | AM | | |
| 900 | Casey: Pen | S | 465 | x | 183 | 1 | 0 | | AM | | |
| 250 | Upper Partlow: Pen | S | 535 | x | 47 | 0 | 0 | | AM | | |
| 20 | Carper: MisL | S | 1,325 | x | 2 | 0 | 0 | | AM | | |
| 2,200 | | | | | 565 | 2 | 45 | 232 | AM | Dev | 2,030 |
| 200 | Claypool: Pen | S | 390 | x | 38 | 0 | x | | AM | | |
| 300 | Casey: Pen | S | 450 | x | 60 | 0 | x | | AM | | |
| 1,700 | Upper Partlow: Pen | S | 490 | 48 | 426 | 2 | x | | AM | | |
| 850 | Lower Partlow: Pen | S | 600 | x | 175 | 0 | x | | AM | | |
| 1,540 | | | | | 499 | 7 | 3 | 100 | AM | MisL | 1,471 |
| x | "500 ft.": Pen | S | 560 | 30 | 311 | 1 | x | | AM | | |
| x | "800 ft.": Pen | S | 815 | x | 71 | 4 | x | | AM | | |
| x | "900 ft.": MisU | S | 885 | x | 183 | 0 | 0 | | AM | | |
| 20 | Renault: MisU | S | 830 | 6 | 2 | 2 | 0 | | AM | | |
| 20 | Aux Vases: MisU | S | 1,200 | x | 1 | 0 | 0 | | AM | | |
| 20 | Ohara: MisL | L | 860 | 4 | 1 | 1 | 0 | | A | | |
| 24,090 | | | | | 5,038 | 22 | 78 | 1,697 | | St. Peter | 3,411 |
| 84,200 | | | | | 9,556 | 117 | 37 | 4,563 | ML | St. Peter | 4,654 |
| x | Cuba: Pen | S | 510 | x | 74 | 2 | 0 | | ML | | |
| 10 | Unnamed: Pen | S | 750 | 5 | 1 | 1 | 0 | | ML | | |
| x | Robinson: Pen | S | 950 | 25 | 9,230 | 50 | 34 | | ML | | |
| x | Pennsylvanian: Pen | S | 1,250 | x | 14 | 14 | 0 | | ML | | |
| x | Cypress: MisU | S | 1,480 | 15 | 31 | 5 | 0 | | ML | | |
| x | Bethel: MisU | S | 1,580 | 18 | 56 | 35 | 0 | | ML | | |
| x | Aux Vases: MisU | S | 1,530 | 15 | 22 | 8 | 0 | | ML | | |
| x | McClosky (Oblong): MisL | L | 1,400 | x | 111 | 2 | 3 | | MC | | |
| x | Salem: MisL | L | 1,815 | 5 | 12 | 0 | 0 | | MC | | |
| x | Devonian: Dev | L | 2,795 | 11 | 2 | 0 | 0 | | MC | | |
| | [1] | | | | 4 | 1 | 0 | | | | |
| 38,500 | | | | | 4,835 | 157 | 51 | 2,117 | A | St. Peter | 5,190 |
| x | Trivoli: Pen | S | 290 | x | 10 | 0 | 0 | | A | | |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 58 | | | 0 | x | 0 | x |
| 59 | | | x | x | x | x |
| 60 | | | 0 | x | 0 | x |
| 61 | | | 0 | x | 0 | x |
| 62 | | | 0 | x | 0 | x |
| 63 | | | x | x | x | x |
| 64 | | | x | x | x | x |
| 65 | | | x | x | x | x |
| 66 | | | x | x | x | x |
| 67 | | | x | x | x | x |
| 68 | | | 0 | x | 0 | x |
| 69 | | | 0 | x | 0 | x |
| 70 | | | 0 | x | 0 | x |
| 71 | | | 0 | x | 0 | x |
| 72 | | | 0 | x | 0 | x |
| 73 | | | 0 | x | 0 | x |
| 74 | | | | | | |
| 75 | St. Francisville: Lawrence | x | 0 | x | 0 | x |
| 76 | Lawrence County Division[7] | | 2,069,000 | 3,479,000 | 6,096,000 | 257,811,000 |
| 77 | Allendale: Wabash, Lawrence | 1912 | 163,000 | 570,000 | 211,000 | 14,892,000 |
| 78 | | | 0 | x | 0 | x |
| 79 | | | 0 | x | 0 | x |
| 80 | | | 0 | x | 0 | x |
| 81 | | | 132,000 | x | 173,000 | x |
| 82 | | | | x | | x |
| 83 | | | 0 | x | 0 | x |
| 84 | | | 0 | x | 0 | x |
| 85 | | | 0 | x | 0 | x |
| 86 | | | 31,000 | x | 38,000 | x |
| 87 | | | 0 | x | 0 | x |
| 88 | | | 0 | x | 0 | x |
| 89 | | | 0 | x | 0 | x |
| 90 | | | 0 | x | 0 | x |
| 91 | | | 0 | x | 0 | x |
| 92 | | | | | | |
| 93 | Total Southeastern Fields[8] | | 5,517,000 | 8,534,000 | 23,902,000 | 510,997,000 |
| 94 | Ava-Campbell Hill: Jackson[5, 9] | 1916 | 0 | 0 | 0 | x |
| 95 | Bartelso: Clinton | 1936 | 243,000 | 115,000 | 468,000 | 2,465,000 |
| 96 | | | 243,000 | x | 468,000 | x |
| 97 | | | 0 | x | 0 | x |
| 98 | Brown, Junction City, | 1910 | 0 | 6,000 | 0 | x |
| 99 | Langewisch-Kuester: Marion | | 0 | x | 0 | x |
| 100 | | | 0 | x | 0 | x |
| 101 | | | 0 | x | 0 | x |
| 102 | Carlinville: Macoupin[11] | 1909 | 0 | x | 0 | x |
| 103 | Carlyle: Clinton | 1911 | 0 | 22,000 | 0 | 3,837,000 |
| 104 | | | 0 | x | 0 | x |
| 105 | | | 0 | x | 0 | x |
| 106 | | | | | | |
| 107 | Collinsville: Madison[14] | 1909 | 0 | 0 | 0 | 1,000 |
| 108 | Colmar-Plymouth: Hancock-McDonough | 1914 | 0 | 71,000 | 0 | 4,013,000 |
| 109 | Dupo: St. Clair | 1928 | 0 | 28,000 | 0 | 2,810,000 |
| 110 | Frogtown: Clinton[15] | 1918 | 0 | 0 | 0 | x |

(continued)

| Total proved area (acres) | Producing Formation: Name: Age[a] | Producing Formation: Character[b] | Producing Formation: Depth to top (ft.) | Producing Formation: Av. thickness (ft.) | Number of Wells: Completed to end of 1955 | Number of Wells: 1955: Completed | Number of Wells: 1955: Abandoned | Number of Wells: 1955: Producing end of year | Structure[c] | Deepest Zone Tested: Name | Deepest Zone Tested: Depth of hole (ft.) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| x | Cuba: Pen | S | 450 | x | 1 | 0 | 0 | | A | | |
| x | Bridgeport: Pen | S | 800 | 40 | 1,259 | 4 | x | | A | | |
| x | Buchanan: Pen | S | 1,250 | 15 | 509 | 2 | x | | A | | |
| x | Tar Springs: MisU | S | 1,410 | 10 | 1 | 0 | x | | A | | |
| x | Hardinsburg: MisU | S | 1,570 | 10 | 1 | 0 | x | | A | | |
| x | Jackson ("gas"): MisU | S | 1,370 | 15 | 245 | 0 | x | | A | | |
| x | Cypress (Kirkwood): MisU | S | 1,400 | 30 | 3,106 | 20 | x | | A | | |
| x | Paint Creek: MisU | S | 1,600 | 8 | 3 | 3 | 0 | | A | | |
| x | Bethel (Tracey): MisU | S | 1,650 | 20 | 827 | 85 | x | | A | | |
| x | Renault: MisU | S | 1,695 | 7 | 3 | 3 | 0 | | A | | |
| x | Aux Vases: MisU | S | 1,770 | 8 | 14 | 8 | x | | A | | |
| x | Ohara: MisL | L | 1,750 | 8 | 3 | 2 | x | | A | | |
| x | Rosiclare: MisL | LS | 1,860 | 4 | 18 | 3 | x | | A | | |
| x | McClosky: MisL | L | 1,860 | 10 | 1,012 | 5 | x | | A | | |
| x | St. Louis: MisL | L | 1,660 | 10 | 1 | 1 | 0 | | A | | |
| x | Salem: MisL | L | 1,955 | 2 | 1 | 0 | x | | A | | |
| | [1] | | | | 32 | 21 | x | | | | |
| 600 | Bethel: MisU | S | 1,845 | 6 | 72 | 2 | 1 | 37 | ML | MisL | 2,164 |
| 39,100 | | | | | 4,908 | 159 | 52 | 2,154 | | St. Peter | 5,190 |
| 7,650 | | | | | 858 | 31 | 20 | 407 | AM | MisL | 2,571 |
| x | Pleasantview: Pen | S | 650 | 30 | 3 | 0 | 0 | | AM | | |
| x | Bridgeport: Pen | S | 1,070 | 12 | x | 0 | x | | AM | | |
| x | Buchanan: Pen | S | 1,290 | 15 | x | 0 | x | | AM | | |
| x | Biehl: Pen | S | 1,450 | 20 | 604 | 15 | x | | AM | | |
| x | Jordan: Pen | S | 1,490 | 10 | 5 | 0 | x | | AM | | |
| x | Waltersburg: MisU | S | 1,540 | 15 | 22 | 1 | x | | AM | | |
| x | Tar Springs: MisU | S | 1,600 | 20 | 11 | 0 | x | | AM | | |
| x | Hardinsburg: MisU | S | 1,780 | 10 | 1 | 0 | x | | AM | | |
| x | Cypress: MisU | S | 1,920 | 10 | 16 | 5 | x | | AM | | |
| x | Bethel: MisU | S | 2,010 | 10 | 76 | 3 | x | | AM | | |
| x | Aux Vases: MisU | S | 2,280 | 12 | 3 | 0 | 0 | | AM | | |
| x | Ohara: MisL | L | 2,300 | 10 | 6 | 4 | x | | AM | | |
| x | Rosiclare: MisL | LS | 2,300 | 5 | 3 | 0 | 0 | | AM | | |
| x | McClosky: MisL | L | 2,300 | 8 | 14+ | 1 | x | | AM | | |
| | [1] | | | | 9 | 2 | x | | | | |
| 155,190 | | | | | 20,389 | 329 | 187 | 8,823 | | | |
| 70 | Cypress: MisU | S | 780 | 18 | 15 | 0 | 0 | 0 | A | Trenton | 3,582 |
| 600 | | | | | 78 | 1 | 6 | 43 | D | St. Peter | 4,212 |
| 350 | Carlyle (Cypress): MisU | S | 985 | 15 | 51 | 0 | 6 | | D | | |
| 250 | Silurian: Sil | L | 2,420 | 12 | 27 | 1 | 0 | | R[10] | | |
| 205 | | | | | 21 | 0 | 0 | 7 | M | Dev | 3,405 |
| 60 | Dykstra: Pen | S | 510 | 20 | 7 | 0 | 0 | | MF | | |
| 30 | Wilson: Pen | S | 845 | 7 | 5 | 0 | 0 | | MF | | |
| 115 | Cypress: MisU | S | 1,660 | 15 | 9 | 0 | 0 | | N | | |
| 80 | Unnamed: Pen | S | 380 | x | 8 | 0 | 0 | 3 | A | Mis | 1,380 |
| 940 | | | | | 185 | 5 | 2 | 37 | A | St. Peter | 2,177 |
| 30 | Golconda: MisU | L | 900 | 10 | 5 | 3 | 0 | | AC[12] | | |
| 940 | Carlyle (Cypress): MisU | S | 1,035 | 20 | 179 | 2 | 2 | | AL[13] | | |
| | [1] | | | | 1 | 0 | 0 | | | | |
| 40 | Silurian: Sil | L | 1,305 | 20 | 6 | 0 | 0 | 0 | ML | St. Peter | 2,177 |
| 2,500 | Hoing: Dev | S | 450 | 21 | 496 | 2 | 1 | 200 | AL | Ord | 805 |
| 1,000 | Trenton: Ord | L | 700 | 50 | 320 | 0 | 0 | 30 | A | Ord | 1,800 |
| 300 | Carlyle (Cypress): MisU | S | 950 | 7 | 14 | 0 | 0 | 0 | ML | Trenton | 3,290 |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 111 | Gillespie-Wyen: Macoupin | 1915 | 0 | x | 0 | x |
| 112 | Jacksonville (gas): Morgan[5, 19] | 1910 | 0 | 0 | 0 | 2,000 |
| 113 | Litchfield: Montgomery[20] | 1879 | 0 | x | 0 | 24,000 |
| 114 | Sandoval: Marion | 1909 | 0 | 35,000 | 0 | 5,736,000 |
| 115 | | | 0 | 0 | 0 | 2,705,000 |
| 116 | | | 0 | 35,000 | 0 | 3,031,000 |
| 117 | Sparta: Randolph[5, 23] | 1888 | 0 | 0 | 0 | x |
| 118 | Wamac: Marion, Clinton Washington | 1921 | 3,000 | 10,000 | 3,000 | 597,000 |
| 119 | Waterloo: Monroe[25] | 1920 | 0 | x | 0 | 237,000 |
| 120 | Total of fields discovered prior to January 1, 1937[26] | | 5,763,000 | 9,115,000 | 24,373,000 | 531,275,000 |
| 121 | Ab Lake: Gallatin | 1947 | 0 | 4,000 | 0 | 23,000 |
| 122 | | | 0 | 4,000 | 0 | 5,000 |
| 123 | | | 0 | 0 | 0 | x |
| 124 | | | 0 | 0 | 0 | x |
| 125 | Ab Lake West: Gallatin | 1950 | 0 | 9,000 | 0 | 22,000 |
| 126 | | | 0 | x | 0 | x |
| 127 | | | 0 | x | 0 | x |
| 128 | | | 0 | x | 0 | x |
| 129 | | | 0 | 500 | 0 | 2,500 |
| 130 | | | | | | |
| 131 | Aden Consolidated: Wayne, Hamilton | 1938 | 299,000 | 469,000 | 859,000 | 7,598,000 |
| 132 | | | 189,000 | x | 532,000 | x |
| 133 | | | 0 | x | 0 | x |
| 134 | | | 0 | x | 0 | x |
| 135 | | | 110,000 | x | 327,000 | x |
| 136 | | | 0 | x | 0 | x |
| 137 | | | | | | |
| 138 | Aden South: Hamilton | 1945 | 0 | 53,000 | 0 | 451,000 |
| 139 | | | 0 | x | 0 | x |
| 140 | | | 0 | x | 0 | x |
| 141 | | | 0 | x | 0 | x |
| 142 | | | 0 | x | 0 | x |
| 143 | | | | | | |
| 144 | Akin: Franklin | 1942 | 0 | 26,000 | 0 | 674,000 |
| 145 | | | 0 | x | 0 | x |
| 146 | | | 0 | x | 0 | x |
| 147 | | | 0 | x | 0 | x |
| 148 | | | | | | |
| 149 | Akin West: Franklin | 1948 | 0 | 5,000 | 0 | 72,000 |
| 150 | | | 0 | x | 0 | x |
| 151 | | | 0 | x | 0 | x |
| 152 | | | 0 | x | 0 | x |
| 153 | | | 0 | x | 0 | x |
| 154 | | | | | | |
| 155 | Albion Central: Edwards | 1955 | 0 | 29,000 | 0 | 29,000 |
| 156 | Albion Consolidated: Edwards, White[5] | 1940 | 283,000 | 1,204,000 | 1,593,000 | 15,201,000 |
| 157 | | | 0 | x | 0 | x |
| 158 | | | 4,000 | x | 238,000 | x |
| 159 | | | x | x | x | x |
| 160 | | | 0 | x | 0 | x |
| 161 | | | x | x | x | x |
| 162 | | | 9,000 | x | 24,000 | x |
| 163 | | | 0 | x | 0 | x |
| 164 | | | 85,000 | x | 214,000 | x |
| 165 | | | 0 | x | 0 | x |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1955 | | | | | |
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | Completed | Abandoned | Producing end of year | | Name | Depth of hole (ft.) |
| 45 | Unnamed: Pen | S | 650 | x | 23 | 0 | 2 | 4 | T | Ord | 1,390 |
| 60 | Gas: Pen, MisL | LS | 330 | 5 | 8 | 0 | 0 | 0 | ML | Ord | 1,390 |
| 100 | Unnamed: Pen | S | 660 | x | 18 | 0 | 0 | 0 | D | St. Peter | 3,000 |
| 480 | | | | | 151 | 0 | 0 | 16 | D | St. Peter | 5,023 |
| 460 | Benoist: MisU | S | 1,540 | 20 | 123 | 0 | 0 | | D | | |
| 390 | Geneva: Dev | D | 2,920 | 9 | 28 | 0 | 0 | | R | | |
| 20 | Cypress: MisU | S | 850 | 7 | 2 | 0 | 0 | 0 | D | Trenton | 3,130 |
| 250 | Petro: Pen | S | 720 | 20 | 108 | 0 | 0 | 10 | DF | MisL | 1,760 |
| 230 | Trenton: Ord | L | 410 | 50 | 41 | 0 | 0 | 3 | A | Pre-Cam | 2,768 |
| 162,110 | | | | | 21,883 | 337 | 198 | 9,176 | | | |
| 50 | | | | | 3 | 0 | 0 | 1 | M | MisL | 2,941 |
| 10 | Palestine: MisU | S | 1,835 | 5 | 1 | 0 | 0 | | MF | | |
| 40 | Renault: MisU | L | 2,735 | 8 | 2 | 0 | 0 | | MF | | |
| 40 | Aux Vases: MisU[28] | S | 2,770 | 9 | 0 | 0 | 0 | | MF | | |
| 110 | | | | | 7 | 0 | 1 | 5 | M | MisL | 2,964 |
| 10 | Pennsylvanian: Pen | S | 725 | 10 | 1 | 0 | 1 | | ML | | |
| 10 | Cypress: MisU[28] | S | 2,425 | 9 | 0 | 0 | 0 | | ML | | |
| 80 | Aux Vases: MisU | S | 2,735 | 6 | 4 | 0 | 0 | | ML | | |
| 20 | McClosky: MisL | L | 2,830 | 2 | 1 | 0 | 0 | | MC | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 2,360 | | | | | 98 | 1 | 0 | 78 | A | Dev | 5,395 |
| 1,240 | Aux Vases: MisU | S | 3,200 | 10 | 10 | 0 | 0 | | A | | |
| 140 | Ohara: MisL[28] | L | 3,290 | 7 | 0 | 0 | 0 | | A | | |
| 100 | Rosiclare: MisL | LS | 3,320 | 5 | 2 | 0 | 0 | | AC | | |
| 2,340 | McClosky: MisL | L | 3,350 | 4 | 74 | 0 | 0 | | A | | |
| 80 | Salem: MisL[28] | L | 3,735 | 16 | 0 | 0 | 0 | | AC | | |
| | 1 | | | | 12 | 1 | 0 | | | | |
| 380 | | | | | 20 | 1 | 0 | 18 | A | MisL | 3,466 |
| 100 | Aux Vases: MisU | S | 3,245 | 8 | 2 | 0 | 0 | | AL | | |
| 20 | Ohara: MisL[28] | L | 3,310 | 7 | 0 | 0 | 0 | | AC | | |
| 160 | Rosiclare: MisL | LS | 3,330 | 8 | 1 | 0 | 0 | | AC | | |
| 320 | McClosky: MisL | L | 3,395 | 9 | 8 | 0 | 0 | | AC | | |
| | 1 | | | | 9 | 1 | 0 | | | | |
| 280 | | | | | 17 | 2 | 0 | 16 | A | MisL | 3,515 |
| 180 | Cypress: MisU | S | 2,840 | 10 | 11 | 0 | 0 | | AL | | |
| 120 | Aux Vases: MisU | S | 3,100 | 9 | 5 | 2 | 0 | | AL | | |
| 20 | McClosky: MisL[28] | L | 3,270 | 9 | 0 | 0 | 0 | | AC | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 100 | | | | | 6 | 0 | 0 | 6 | A | MisL | 3,435 |
| 20 | Cypress: MisU | S | 2,715 | 8 | 2 | 0 | 0 | | AL | | |
| 20 | Ohara: MisL[28] | L | 3,050 | 10 | 0 | 0 | 0 | | AC | | |
| 20 | Rosiclare: MisL[28] | L | 3,080 | 12 | 0 | 0 | 0 | | AC | | |
| 60 | McClosky: MisL | L | 3,130 | 4 | 3 | 0 | 0 | | AC | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 120 | Ohara: MisL | L | 3,370 | 5 | 3 | 3 | 0 | 3 | X | MisL | 3,479 |
| 5,420 | | | | | 419 | 22 | 1 | 363 | AM | Dev | 5,185 |
| 60 | Mansfield: Pen | S | 1,650 | 5 | 4 | 0 | 0 | | MF | | |
| 300 | Bridgeport: Pen | S | 1,900 | 15 | 19 | 0 | 0 | | MF | | |
| 1,500 | Biehl: Pen | S | 2,000 | 15 | 100 | 4 | 0 | | MF | | |
| 20 | Degonia: MisU | S | 2,125 | 9 | 1 | 0 | 0 | | MF | | |
| 630 | Waltersburg: MisU | S | 2,365 | 16 | 37 | 0 | 0 | | AL | | |
| 90 | Tar Springs: MisU | S | 2,460 | 5 | 4 | 0 | 0 | | AL | | |
| 60 | Hardinsburg: MisU | S | 2,635 | 10 | 3 | 0 | 0 | | A | | |
| 360 | Cypress: MisU | S | 2,860 | 15 | 30 | 1 | 0 | | A | | |
| 410 | Bethel: MisU | S | 2,960 | 14 | 26 | 3 | 0 | | Af | | |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 166 | | | 0 | x | 0 | x |
| 167 | | | 0 | x | 0 | x |
| 168 | | | 0 | x | 0 | x |
| 169 | | | 0 | x | 0 | x |
| 170 | | | 3,000 | x | 34,000 | x |
| 171 | | | | | | |
| 172 | Albion East: Edwards | 1943 | 0 | 33,000 | 0 | 950,000 |
| 173 | | | 0 | x | 0 | x |
| 174 | | | 0 | x | 0 | x |
| 175 | | | 0 | x | 0 | x |
| 176 | | | 0 | x | 0 | x |
| 177 | | | 0 | x | 0 | x |
| 178 | | | 0 | x | 0 | x |
| 179 | | | 0 | x | 0 | x |
| 180 | | | 0 | x | 0 | x |
| 181 | | | | | | |
| 182 | Albion West: Edwards[29] | 1953 | 0 | 0 | 0 | 1,000 |
| 183 | Alma: Marion | 1941 | 0 | 2,000 | 0 | 78,000 |
| 184 | | | 0 | 0 | 0 | x |
| 185 | | | 0 | 2,000 | 0 | x |
| 186 | | | 0 | 0 | 0 | x |
| 187 | Amity: Richland | 1942 | 0 | 1,000 | 0 | 25,000 |
| 188 | Amity South: Richland[30] | 1953 | 0 | 0 | 0 | 100 |
| 189 | Amity West: Richland[31] | 1953 | 0 | 0 | 0 | 0 |
| 190 | Ashley: Washington | 1953 | 0 | 23,000 | 0 | 30,000 |
| 191 | Assumption Consolidated: | 1948 | 163,000 | 455,000 | 751,000 | 5,042,000 |
| 192 | Christian | | 157,000 | x | 745,000 | x |
| 193 | | | 6,000 | x | 6,000 | x |
| 194 | | | 0 | x | 0 | x |
| 195 | Assumption South: Christian | 1951 | 0 | 1,000 | 0 | 8,000 |
| 196 | Baldwin: Randolph | 1954 | 0 | 3,000 | 0 | 3,000 |
| 197 | Barnhill: Wayne | 1939 | 209,000 | 386,000 | 735,000 | 3,704,000 |
| 198 | | | 0 | x | 0 | x |
| 199 | | | 0 | x | 0 | x |
| 200 | | | 0 | x | 0 | x |
| 201 | | | 209,000 | x | 735,000 | x |
| 202 | | | 0 | x | 0 | x |
| 203 | | | | | | |
| 204 | Bartelso East: Clinton | 1950 | 0 | 199,000 | 0 | 351,000 |
| 205 | Bartelso South: Clinton | 1942 | 0 | 1,000 | 0 | 23,000 |
| 206 | Bartelso West: Clinton | 1945 | 0 | 2,000 | 0 | 15,000 |
| 207 | Beaucoup: Washington | 1951 | 0 | 21,000 | 0 | 282,000 |
| 208 | | | 0 | x | 0 | x |
| 209 | | | 0 | x | 0 | x |
| 210 | | | | | | |
| 211 | Beaucoup South: Washington | 1951 | 0 | 80,000 | 0 | 336,000 |
| 212 | Beaver Creek: Bond, Clinton | 1942 | 0 | 10,000 | 0 | 174,000 |
| 213 | Beaver Creek North: Bond[32] | 1949 | 0 | 0 | 0 | 1,000 |
| 214 | Beaver Creek South: Clinton, | 1946 | 0 | 35,000 | 0 | 284,000 |
| 215 | Bond[5] | | 0 | 0 | 0 | 0 |
| 216 | | | 0 | 35,000 | 0 | 284,000 |
| 217 | Belle Prairie: Hamilton | 1940 | 0 | 18,000 | 0 | 582,000 |
| 218 | | | 0 | x | 0 | x |
| 219 | | | 0 | x | 0 | x |
| 220 | | | | | | |
| 221 | Belle Rive: Jefferson | 1943 | 0 | 11,000 | 0 | 306,000 |
| 222 | Bellmont: Wabash | 1951 | 0 | 5,000 | 0 | 61,000 |
| 223 | | | 0 | 2,000 | 0 | 9,000 |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1955 | | | | | |
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | Completed | Abandoned | Producing end of year | | Name | Depth of hole (ft.) |
| 100 | Renault: MisU | L | 3,000 | 13 | 1 | 0 | 0 | | Af | | |
| 900 | Aux Vases: MisU | S | 3,045 | 18 | 65 | 10 | 1 | | Af | | |
| 160 | Ohara: MisL | L | 3,110 | 5 | 7 | 1 | 0 | | AC | | |
| 40 | Rosiclare: MisL | L | 3,130 | 10 | 2 | 0 | 0 | | AC | | |
| 1,600 | McClosky: MisL | L | 3,200 | 12 | 82 | 0 | 0 | | AC | | |
| | [1] | | | | 39 | 3 | 0 | | | | |
| 590 | | | | | 36 | 1 | 2 | 23 | A | MisL | 3,254 |
| 120 | Cypress: MisU | S | 2,800 | 7 | 7 | 0 | 1 | | A | | |
| 10 | Paint Creek: MisU[28] | S | 2,910 | 6 | 0 | 0 | 0 | | AL | | |
| 20 | Bethel: MisU | S | 2,920 | 6 | 1 | 0 | 0 | | AL | | |
| 40 | Renault: MisU | LS | 2,925 | 10 | 3 | 1 | 0 | | AC | | |
| 100 | Aux Vases: MisU | S | 3,020 | 17 | 6 | 0 | 1 | | AL | | |
| 140 | Ohara: MisL | L | 3,100 | 7 | 6 | 0 | 0 | | A | | |
| 60 | Rosiclare: MisL | L | 3,125 | 7 | 2 | 0 | 0 | | A | | |
| 180 | McClosky: MisL | L | 3,155 | 7 | 6 | 0 | 0 | | A | | |
| | [1] | | | | 5 | 0 | 0 | | | | |
| 20 | McClosky: MisL | L | 3,375 | 5 | 1 | 0 | 0 | | X | MisL | 3,520 |
| 60 | | | | | 5 | 0 | 1 | 1 | A | Dev | 3,692 |
| 10 | Cypress: MisU[28] | S | 1,805 | 7 | 0 | 0 | 0 | | AL | | |
| 50 | Bethel: MisU | S | 1,945 | 8 | 3 | 0 | 1 | | AL | | |
| 40 | Rosiclare: MisL | L | 2,085 | 10 | 2 | 0 | 0 | | AC | | |
| 160 | McClosky: MisL | OL | 2,960 | 5 | 4 | 0 | 0 | 1 | MC | MisL | 3,089 |
| 20 | Rosiclare: MisL | L | 2,890 | 4 | 1 | 0 | 0 | 0 | X | MisL | 3,010 |
| 10 | Aux Vases: MisU | S | 2,925 | 12 | 1 | 0 | 0 | 0 | X | MisL | 3,100 |
| 80 | Bethel: MisU | S | 1,430 | 7 | 8 | 6 | 0 | 8 | X | Dev | 3,116 |
| 2,870 | | | | | 171 | 0 | 5 | 153 | A | Ord | 3,070 |
| 430 | Bethel: MisU | S | 1,050 | 13 | 43 | 0 | 1 | | A | | |
| 320 | Rosiclare: MisL | S | 1,170 | 4 | 16 | 0 | 0 | | AL | | |
| 2,840 | Cedar Valley: Dev | L | 2,300 | 8 | 112 | 0 | 4 | | A | | |
| 60 | Cedar Valley: Dev | L | 2,630 | 15 | 3 | 0 | 1 | 1 | X | Dev | 2,740 |
| 60 | Silurian: Sil | L | 1,535 | x | 2 | 1 | 0 | 2 | R | Trenton | 2,234 |
| 1,600 | | | | | 120 | 2 | 2 | 72 | A | MisL | 3,878 |
| 520 | Aux Vases: MisU | S | 3,325 | 15 | 36 | 2 | 1 | | AL | | |
| 120 | Ohara: MisL | OL | 3,370 | 6 | 2 | 0 | 0 | | AC | | |
| 160 | Rosiclare: MisL | LS | 3,400 | 9 | 3 | 0 | 0 | | AC | | |
| 1,100 | McClosky: MisL | OL | 3,450 | 15 | 68 | 0 | 1 | | AC | | |
| 40 | Salem: MisL | L | 3,795 | 8 | 1 | 0 | 0 | | AC | | |
| | [1] | | | | 10 | 0 | 0 | | | | |
| 320 | Silurian: Sil | L | 2,550 | 7 | 16 | 6 | 0 | 16 | D | Sil | 2,788 |
| 100 | Devonian: Dev | L | 2,475 | 3 | 3 | 0 | 0 | 1 | A | Dev | 2,652 |
| 140 | Cypress: MisU | S | 960 | 15 | 12 | 0 | 0 | 5 | A | Dev | 2,520 |
| 280 | | | | | 14 | 0 | 0 | 14 | A | Trenton | 4,192 |
| 280 | Clear Creek: Dev | L | 3,050 | 12 | 13 | 0 | 0 | | A | | |
| 20 | Trenton: Ord[28] | L | 4,095 | 5 | 0 | 0 | 0 | | A | | |
| | [1] | | | | 1 | 0 | 0 | | | | |
| 230 | Bethel: MisU | S | 1,430 | 9 | 22 | 0 | 0 | 20 | AL | Dev | 3,122 |
| 160 | Bethel: MisU | S | 1,130 | 6 | 16 | 0 | 0 | 13 | A | Dev | 2,526 |
| 40 | Bethel: MisU | S | 1,115 | 4 | 4 | 0 | 0 | 0 | A | Dev | 2,556 |
| 420 | | | | | 42 | 4 | 0 | 27 | A | Dev | 2,539 |
| 10 | Cypress: MisU | S | 1,005 | 20 | 1 | 1 | 0 | | A | | |
| 410 | Bethel: MisU | S | 1,140 | 5 | 41 | 3 | 0 | | A | | |
| 230 | | | | | 12 | 1 | 1 | 9 | A | MisL | 3,580 |
| 20 | Aux Vases: MisU | S | 3,250 | 8 | 1 | 1 | 0 | | AL | | |
| 220 | McClosky: MisL | L | 3,420 | 6 | 10 | 0 | 1 | | AC | | |
| | [1] | | | | 1 | 0 | 0 | | | | |
| 200 | McClosky: MisL | L | 3,085 | 6 | 5 | 0 | 0 | 3 | AC | MisL | 3,201 |
| 70 | | | | | 4 | 0 | 0 | 3 | M | MisL | 3,006 |
| 10 | Bethel: MisU | S | 2,650 | 7 | 1 | 0 | 0 | | ML | | |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 224 | | | 0 | 3,000 | 0 | 52,000 |
| 225 | Beman: Lawrence | 1942 | 0 | 7,000 | 0 | 234,000 |
| 226 | | | 0 | x | 0 | x |
| 227 | | | 0 | x | 0 | x |
| 228 | | | | | | |
| 229 | Beman East: Lawrence | 1947 | 0 | 3,000 | 0 | 102,000 |
| 230 | | | 0 | x | 0 | x |
| 231 | | | 0 | x | 0 | x |
| 232 | | | | | | |
| 233 | Bennington South: Edwards[33] | 1944 | 0 | 0 | 0 | 10,000 |
| 234 | Benton: Franklin | 1941 | 1,088,000 | 1,441,000 | 8,716,000 | 31,659,000 |
| 235 | | | 0 | 0 | 0 | x |
| 236 | | | 1,088,000 | 1,441,000 | 8,716,000 | 31,659,000 |
| 237 | Benton North: Franklin | 1941 | 0 | 102,000 | 0 | 1,712,000 |
| 238 | | | 0 | x | 0 | x |
| 239 | | | 0 | x | 0 | x |
| 240 | | | 0 | x | 0 | x |
| 241 | | | 0 | x | 0 | x |
| 242 | | | 0 | x | 0 | x |
| 243 | | | 0 | x | 0 | x |
| 244 | | | 0 | x | 0 | x |
| 245 | | | | | | |
| 246 | Berryville Consolidated: | 1943 | 0 | 17,000 | 0 | 907,000 |
| 247 | Wabash, Edwards | | 0 | x | 0 | x |
| 248 | | | 0 | x | 0 | x |
| 249 | | | 0 | x | 0 | x |
| 250 | | | | | | |
| 251 | Bessie: Franklin | 1943 | 0 | 5,000 | 0 | 72,000 |
| 252 | Bible Grove North: Effingham | 1947 | 0 | 3,000 | 0 | 75,000 |
| 253 | | | 0 | 2,000 | 0 | x |
| 254 | | | 0 | 0 | 0 | x |
| 255 | | | 0 | 1,000 | 0 | x |
| 256 | | | | | | |
| 257 | Bible Grove South: Clay | 1942 | 0 | 5,000 | 0 | 98,000 |
| 258 | | | 0 | 1,000 | 0 | 5,000 |
| 259 | | | 0 | 4,000 | 0 | 93,000 |
| 260 | Blackland: Macon, Christian | 1953 | 0 | 97,000 | 0 | 178,000 |
| 261 | Black River: White | 1952 | 0 | 2,000 | 0 | 10,000 |
| 262 | Blairsville West: Hamilton | 1951 | 0 | 9,000 | 0 | 310,000 |
| 263 | | | 0 | x | 0 | x |
| 264 | | | 0 | x | 0 | x |
| 265 | | | | | | |
| 266 | Bogota: Jasper | 1943 | 0 | 8,000 | 0 | 458,000 |
| 267 | | | 0 | x | 0 | x |
| 268 | | | 0 | x | 0 | x |
| 269 | Bogota North: Jasper[34] | 1949 | 0 | 0 | 0 | 0 |
| 270 | Bogota South: Jasper | 1944 | 0 | 24,000 | 0 | 399,000 |
| 271 | Bone Gap Consolidated: Edwards | 1941 | 0 | 72,000 | 0 | 1,787,000 |
| 272 | | | 0 | 0 | 0 | 2,000 |
| 273 | | | 0 | x | 0 | x |
| 274 | | | 0 | 4,000 | 0 | 240,000 |
| 275 | | | 0 | x | 0 | x |
| 276 | | | 0 | 0 | 0 | 10,000 |
| 277 | | | 0 | x | 0 | x |
| 278 | | | 0 | x | 0 | x |
| 279 | | | 0 | x | 0 | x |
| 280 | | | | | | |
| 281 | Bone Gap East: Edwards | 1951 | 0 | 1,000 | 0 | 12,000 |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | 1955 Completed | 1955 Abandoned | 1955 Producing end of year | | Name | Depth of hole (ft.) |
| 60 | Ohara: MisL | L | 2,840 | 7 | 3 | 0 | 0 | | MC | | |
| 500 | | | | | 23 | 1 | 2 | 13 | A | MisL | 2,000 |
| 40 | Aux Vases: MisU | S | 1,805 | 20 | 2 | 1 | 1 | | AL | | |
| 480 | Ste. Genevieve: MisL | L | 1,850 | 7 | 19 | 0 | 1 | | AC | | |
| 1 | | | | | 2 | 0 | 0 | | | | |
| 100 | | | | | 5 | 0 | 0 | 3 | A | MisL | 1,907 |
| 20 | Aux Vases: MisU | S | 1,805 | 20 | 1 | 0 | 0 | | AL | | |
| 90 | Ste. Genevieve: MisL | L | 1,860 | 7 | 3 | 0 | 0 | | AC | | |
| 1 | | | | | 1 | 0 | 0 | | | | |
| 20 | McClosky: MisL | L | 3,240 | 8 | 1 | 0 | 0 | 0 | MC | MisL | 3,420 |
| 2,400 | | | | | 243 | 0 | 0 | 132 | A | MisL | 3,205 |
| 20 | Pennsylvanian: Pen[28] | S | 1,700 | 9 | 0 | 0 | 0 | | AL | | |
| 2,400 | Tar Springs: MisU | S | 2,100 | 10 | 243 | 0 | 0 | | A | | |
| 720 | | | | | 56 | 3 | 0 | 49 | A | MisL | 2,906 |
| 130 | Cypress: MisU | S | 2,460 | 17 | 12 | 1 | 0 | | A | | |
| 140 | Paint Creek: MisU | S | 2,595 | 9 | 7 | 0 | 0 | | A | | |
| 30 | Bethel: MisU | S | 2,600 | 20 | 3 | 0 | 0 | | AL | | |
| 100 | Aux Vases: MisU | S | 2,685 | 10 | 3 | 0 | 0 | | A | | |
| 200 | Ohara: MisL | L | 2,730 | 8 | 5 | 1 | 0 | | A | | |
| 140 | Rosiclare: MisL | S | 2,775 | 6 | 4 | 1 | 0 | | A | | |
| 360 | McClosky: MisL | L | 2,800 | 10 | 9 | 0 | 0 | | A | | |
| 1 | | | | | 13 | 0 | 0 | | | | |
| 520 | | | | | 18 | 0 | 0 | 6 | M | MisL | 3,125 |
| 100 | Ohara: MisL | L | 2,900 | 6 | 4 | 0 | 0 | | MC | | |
| 20 | Rosiclare: MisL | L | 2,850 | 12 | 1 | 0 | 0 | | MC | | |
| 420 | McClosky: MisL | L | 2,890 | 10 | 12 | 0 | 0 | | MC | | |
| 1 | | | | | 1 | 0 | 0 | | | | |
| 40 | Ohara: MisL | L | 2,895 | 10 | 1 | 0 | 0 | 1 | MC | MisL | 3,457 |
| 130 | | | | | 7 | 0 | 1 | 3 | M | MisL | 2,999 |
| 50 | Cypress: MisU | S | 2,535 | 7 | 3 | 0 | 1 | | M | | |
| 40 | Rosiclare: MisL | LS | 2,835 | 5 | 1 | 0 | 0 | | ML | | |
| 60 | McClosky: MisL | L | 2,875 | 5 | 2 | 0 | 0 | | M | | |
| 1 | | | | | 1 | 0 | 0 | | | | |
| 50 | | | | | 3 | 0 | 1 | 2 | M | MisL | 2,953 |
| 10 | Cypress: MisU | S | 2,500 | 10 | 1 | 0 | 0 | | ML | | |
| 40 | Aux Vases: MisU | S | 2,740 | 10 | 2 | 0 | 1 | | ML | | |
| 470 | Silurian: Sil | L | 1,935 | 12 | 15 | 1 | 3 | 12 | MU | Ord | 3,780 |
| 10 | Clore: MisU | S | 1,865 | 6 | 1 | 0 | 0 | 1 | x | MisL | 3,071 |
| 200 | | | | | 10 | 0 | 0 | 6 | A | MisL | 3,507 |
| 20 | Rosiclare: MisL[28] | L | 3,345 | 6 | 0 | 0 | 0 | | AC | | |
| 200 | McClosky: MisL | L | 3,405 | 8 | 9 | 0 | 0 | | AC | | |
| 1 | | | | | 1 | 0 | 0 | | | | |
| 260 | | | | | 8 | 0 | 0 | 7 | A | MisL | 3,234 |
| 20 | Rosiclare: MisL | L | 3,090 | 4 | 1 | 0 | 0 | | AC | | |
| 240 | McClosky: MisL | L | 3,110 | 7 | 7 | 0 | 0 | | A | | |
| 10 | McClosky: MisL | L | 3,080 | 3 | 1 | 0 | 0 | 0 | x | MisL | 3,150 |
| 480 | McClosky: MisL | L | 3,075 | 8 | 23 | 0 | 0 | 17 | MC | MisL | 3,182 |
| 1,200 | | | | | 57 | 1 | 4 | 31 | A | MisL | 3,350 |
| 10 | Pennsylvanian: Pen | S | 2,110 | 8 | 1 | 0 | 0 | | AL | | |
| 150 | Waltersburg: MisU | S | 2,310 | 20 | 15 | 0 | 0 | | A | | |
| 70 | Cypress: MisU | S | 2,710 | 10 | 7 | 0 | 2 | | A | | |
| 20 | Bethel: MisU | S | 2,880 | 14 | 2 | 0 | 0 | | AL | | |
| 10 | Aux Vases: MisU | S | 3,020 | 9 | 1 | 0 | 0 | | AL | | |
| 80 | Ohara: MisL | L | 3,040 | 5 | 2 | 0 | 0 | | AC | | |
| 80 | Rosiclare: MisL | L | 3,045 | 5 | 3 | 1 | 0 | | AC | | |
| 800 | McClosky: MisL | L | 3,200 | 6 | 24 | 0 | 2 | | AC | | |
| 1 | | | | | 2 | 0 | 0 | | | | |
| 40 | | | | | 2 | 0 | 0 | 1 | M | MisL | 3,156 |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 282 | | | 0 | 1,000 | 0 | 12,000 |
| 283 | | | 0 | 0 | 0 | 0 |
| 284 | Bone Gap West: Edwards[35] | 1954 | 0 | 1,000 | 0 | 2,000 |
| 285 | Boulder: Clinton | 1941 | 0 | 444,000 | 0 | 5,640,000 |
| 286 | | | 0 | x | 0 | x |
| 287 | | | 0 | x | 0 | x |
| 288 | Boulder East: Clinton | 1955 | 0 | 3,000 | 0 | 3,000 |
| 289 | Boyd: Jefferson | 1944 | 114,000 | 689,000 | 114,000 | 10,431,000 |
| 290 | | | x | x | x | x |
| 291 | | | x | x | x | x |
| 292 | | | 0 | x | 0 | x |
| 293 | | | | | | |
| 294 | Broughton: Hamilton[36] | 1951 | 0 | 0 | 0 | 6,000 |
| 295 | Broughton South: Saline[37] | 1951 | 0 | 0 | 0 | 0 |
| 296 | Browns: Edwards, Wabash | 1943 | 0 | 54,000 | 0 | 1,507,000 |
| 297 | | | 0 | x | 0 | x |
| 298 | | | 0 | x | 0 | x |
| 299 | | | 0 | x | 0 | x |
| 300 | | | 0 | x | 0 | x |
| 301 | | | 0 | x | 0 | x |
| 302 | | | 0 | x | 0 | x |
| 303 | | | 0 | x | 0 | x |
| 304 | | | | | | |
| 305 | Browns East: Wabash | 1946 | 105,000 | 105,000 | 1,391,000 | 2,213,000 |
| 306 | Browns South: Edwards | 1943 | 0 | 2,000 | 0 | 15,000 |
| 307 | | | 0 | x | 0 | x |
| 308 | | | 0 | x | 0 | x |
| 309 | | | | | | |
| 310 | Bungay Consolidated: Hamilton | 1941 | 171,000 | 802,000 | 271,000 | 8,687,000 |
| 311 | | | 0 | x | 0 | x |
| 312 | | | 171,000 | x | 271,000 | x |
| 313 | | | 0 | x | 0 | x |
| 314 | | | 0 | x | 0 | x |
| 315 | | | 0 | x | 0 | x |
| 316 | | | | | | |
| 317 | Burnt Prairie South: White | 1947 | 0 | 2,000 | 0 | 13,000 |
| 318 | | | 0 | 0 | 0 | 0 |
| 319 | | | 0 | 1,000 | 0 | 10,000 |
| 320 | | | 0 | 1,000 | 0 | 3,000 |
| 321 | Calhoun Central: Richland[38] | 1950 | 0 | 0 | 0 | 500 |
| 322 | | | 0 | 0 | 0 | x |
| 323 | | | 0 | 0 | 0 | x |
| 324 | Calhoun Consolidated: Richland, | 1944 | 59,000 | 126,000 | 271,000 | 3,224,000 |
| 325 | Wayne | | 0 | x | 0 | x |
| 326 | | | 0 | x | 0 | x |
| 327 | | | 59,000 | x | 271,000 | x |
| 328 | | | | | | |
| 329 | Calhoun East: Richland | 1950 | 0 | 6,000 | 0 | 201,000 |
| 330 | Calhoun North: Richland | 1944 | 0 | 3,000 | 0 | 54,000 |
| 331 | | | 0 | x | 0 | x |
| 332 | | | 0 | x | 0 | x |
| 333 | | | | | | |
| 334 | Calhoun South: Wayne[39] | 1953 | 0 | 0 | 0 | 1,000 |
| 335 | Cantrell North: Hamilton | 1951 | 0 | 19,000 | 0 | 300,000 |
| 336 | Carlinville North: Macoupin[5, 40] | 1941 | 0 | 0 | 0 | 1,000 |
| 337 | Carlyle North: Clinton | 1950 | 0 | 50,000 | 0 | 396,000 |
| 338 | Carlyle South: Clinton[41] | 1951 | 0 | 0 | 0 | 2,000 |
| 339 | Carmi: White[42] | 1939 | 0 | 7,000 | 0 | 38,000 |

(continued)

| Total proved area (acres) | Producing Formation: Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Number of Wells: Completed to end of 1955 | 1955: Completed | 1955: Abandoned | 1955: Producing end of year | Structure[c] | Deepest Zone Tested: Name | Deepest Zone Tested: Depth of hole (ft.) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | Ohara: MisL | L | 2,980 | 10 | 1 | 0 | 0 | | MC | | |
| 20 | McClosky: MisL | L | 3,050 | 5 | 1 | 0 | 0 | | MC | | |
| 20 | Ohara: MisL | L | 3,290 | 5 | 1 | 0 | 1 | 0 | x | MisL | 3,388 |
| 720 | | | | | 46 | 2 | 0 | 36 | D | Trenton | 3,813 |
| 520 | Bethel: MisU | S | 1,190 | 20 | 26 | 1 | 0 | | D | | |
| 540 | Geneva: Dev | D | 2,630 | 7 | 20 | 1 | 0 | | R | | |
| 20 | Devonian: Dev | L | 2,850 | 5 | 1 | 1 | 0 | 1 | x | Dev | 2,946 |
| 1,430 | | | | | 115 | 0 | 0 | 110 | A | Dev | 3,870 |
| 1,430 | Bethel: MisU | S | 2,060 | 19 | 73 | 0 | 0 | | A | | |
| 680 | Aux Vases: MisU | S | 2,130 | 15 | 6 | 0 | 0 | | A | | |
| 40 | Ohara: MisL[28] | L | 2,230 | 2 | 0 | 0 | 0 | | AC | | |
| | 1 | | | | 36 | 0 | 0 | | | | |
| 20 | McClosky: MisL | L | 3,275 | 5 | 1 | 0 | 0 | 0 | x | MisL | 3,355 |
| 20 | McClosky: MisL | L | 3,215 | 4 | 1 | 0 | 0 | 0 | x | MisL | 3,300 |
| 910 | | | | | 49 | 1 | 0 | 38 | A | MisL | 3,147 |
| 10 | Tar Springs: MisU[28] | S | 2,365 | 14 | 0 | 0 | 0 | | AL | | |
| 270 | Cypress: MisU | S | 2,640 | 13 | 9 | 1 | 0 | | A | | |
| 50 | Bethel: MisU | S | 2,785 | 12 | 1 | 0 | 0 | | AL | | |
| 10 | Aux Vases: MisU | S | 2,965 | 7 | 1 | 0 | 0 | | AL | | |
| 40 | Ohara: MisL | L | 2,965 | 4 | 2 | 0 | 0 | | AC | | |
| 20 | Rosiclare: MisL[28] | L | 2,975 | 3 | 0 | 0 | 0 | | AC | | |
| 600 | McClosky: MisL | L | 3,000 | 6 | 27 | 0 | 0 | | A | | |
| | 1 | | | | 9 | 0 | 0 | | | | |
| 540 | Cypress: MisU | S | 2,570 | 13 | 52 | 2 | 0 | 39 | ML | MisL | 3,113 |
| 30 | | | | | 3 | 0 | 0 | 2 | N | MisL | 3,095 |
| 20 | Bethel: MisL | S | 2,850 | 15 | 1 | 0 | 0 | | NL | | |
| 20 | Aux Vases: MisU | S | 2,950 | 8 | 1 | 0 | 0 | | NL | | |
| | 2 | | | | 1 | 0 | 0 | | | | |
| 3,060 | | | | | 195 | 14 | 1 | 160 | A | MisL | 3,565 |
| 100 | Renault: MisU | S | 3,270 | 10 | 7 | 0 | 0 | | AL | | |
| 2,800 | Aux Vases: MisU | S | 3,295 | 15 | 168 | 14 | 1 | | AL | | |
| 80 | Ohara: MisL | L | 3,335 | 8 | 2 | 0 | 0 | | AC | | |
| 80 | Rosiclare: MisL | L | 3,400 | 8 | 2 | 0 | 0 | | AC | | |
| 260 | McClosky: MisL | L | 3,425 | 8 | 10 | 0 | 0 | | AC | | |
| | 1 | | | | 6 | 0 | 0 | | | | |
| 50 | | | | | 3 | 1 | 0 | 3 | x | MisL | 3,565 |
| 10 | Aux Vases: MisU | S | 3,330 | 24 | 1 | 1 | 0 | | x | | |
| 20 | Ohara: MisL | L | 3,415 | 6 | 1 | 0 | 0 | | x | | |
| 20 | McClosky: MisL | L | 3,460 | 4 | 1 | 0 | 0 | | x | | |
| 40 | | | | | 2 | 0 | 0 | 0 | M | MisL | 3,335 |
| 20 | Rosiclare: MisL | L | 3,245 | 6 | 1 | 0 | 0 | | MC | | |
| 20 | McClosky: MisL | L | 3,280 | 3 | 1 | 0 | 0 | | MC | | |
| 2,400 | | | | | 100 | 0 | 3 | 66 | A | MisL | 3,900 |
| x | Ohara: MisL | OL | 3,140 | 9 | 19 | 0 | 0 | | A | | |
| x | Rosiclare: MisL | OL | 3,160 | 6 | 11 | 0 | 0 | | A | | |
| x | McClosky: MisL | OL | 3,180 | 10 | 56 | 0 | 2 | | A | | |
| | 1 | | | | 14 | 0 | 1 | | | | |
| 160 | McClosky: MisL | L | 3,265 | 5 | 5 | 0 | 0 | 5 | MC | MisL | 3,380 |
| 40 | | | | | 2 | 0 | 0 | 1 | A | MisL | 3,280 |
| 20 | Rosiclare: MisL[28] | LS | 3,155 | 10 | 0 | 0 | 0 | | A | | |
| 40 | McClosky: MisL | OL | 3,170 | 11 | 1 | 0 | 0 | | A | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 10 | Aux Vases: MisU | S | 3,175 | 5 | 1 | 0 | 0 | 0 | x | MisL | 3,350 |
| 100 | Aux Vases: MisU | S | 3,270 | 10 | 9 | 0 | 0 | 9 | AL | MisL | 3,521 |
| 120 | Pottsville: Pen | S | 440 | 10 | 6 | 0 | 0 | 0 | x | Trenton | 1,970 |
| 460 | Bethel: MisU | S | 1,150 | 6 | 40 | 0 | 1 | 34 | AL | Dev | 2,558 |
| 20 | Cypress: MisU | S | 1,075 | 4 | 2 | 0 | 0 | 0 | x | MisU | 1,194 |
| 100 | | | | | 8 | 0 | 1 | 3 | M | MisL | 3,340 |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 340 | | | 0 | 500 | 0 | 1,000 |
| 341 | | | 0 | 6,500 | 0 | 32,000 |
| 342 | | | 0 | 0 | 0 | x |
| 343 | | | 0 | 0 | 0 | x |
| 344 | Carmi North: White | 1942 | 0 | 17,000 | 0 | 194,000 |
| 345 | | | 0 | x | 0 | x |
| 346 | | | 0 | x | 0 | x |
| 347 | | | 0 | x | 0 | x |
| 348 | | | | | | |
| 349 | Centerville: White | 1940 | 0 | 19,000 | 0 | 449,000 |
| 350 | | | 0 | 0 | 0 | x |
| 351 | | | 0 | x | 0 | x |
| 352 | | | 0 | x | 0 | x |
| 353 | | | 0 | x | 0 | x |
| 354 | | | | | | |
| 355 | Centerville East: White | 1941 | 7,000 | 355,000 | 40,000 | 4,135,000 |
| 356 | | | 0 | x | 0 | x |
| 357 | | | 4,000 | x | 36,000 | x |
| 358 | | | 0 | x | 0 | x |
| 359 | | | 0 | x | 0 | x |
| 360 | | | 0 | x | 0 | x |
| 361 | | | 0 | x | 0 | x |
| 362 | | | 0 | x | 0 | x |
| 363 | | | 0 | x | 0 | x |
| 364 | | | 3,000 | x | 4,000 | x |
| 365 | | | 0 | x | 0 | x |
| 366 | | | | | | |
| 367 | Centerville North: White[43] | 1947 | 0 | 0 | 0 | 0 |
| 368 | Centerville Northeast: White | 1955 | 0 | 1,000 | 0 | 1,000 |
| 369 | Centralia: Clinton, Marion | 1937 | 0 | 565,000 | 48,000 | 38,878,000 |
| 370 | | | 0 | x | 0 | x |
| 371 | | | 0 | x | 0 | x |
| 372 | | | 0 | x | 0 | x |
| 373 | | | 0 | x | 48,000 | x |
| 374 | | | | | | |
| 375 | Centralia West: Clinton | 1940 | 0 | 3,000 | 0 | 383,000 |
| 376 | Christopher Consolidated: | 1951 | 0 | 100,000 | 0 | 184,000 |
| 377 | Franklin[44] | | 0 | x | 0 | x |
| 378 | | | 0 | 0 | 0 | 0 |
| 379 | | | 0 | x | 0 | x |
| 380 | | | | | | |
| 381 | Clarksburg: Shelby | 1946 | 0 | 2,000 | 0 | 19,000 |
| 382 | Clay City Consolidated: Clay, | 1937 | 611,000 | 10,171,000 | 846,000 | 179,275,000 |
| 383 | Wayne, Richland, Jasper | | 0 | x | 0 | x |
| 384 | | | 0 | x | 0 | x |
| 385 | | | 0 | x | 0 | x |
| 386 | | | 0 | x | 0 | x |
| 387 | | | 58,000 | x | 58,000 | x |
| 388 | | | 0 | x | 0 | x |
| 389 | | | 37,000 | x | 105,000 | x |
| 390 | | | 516,000 | x | 683,000 | x |
| 391 | | | 0 | x | 0 | x |
| 392 | | | 0 | x | 0 | x |
| 393 | | | 0 | x | 0 | x |
| 394 | | | 0 | 0 | 0 | x |
| 395 | | | | | | |
| 396 | Clay City West: Clay | 1941 | 0 | 58,000 | 0 | 1,622,000 |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | 1955 | | | | Name | Depth of hole (ft.) |
| | | | | | | Completed | Abandoned | Producing end of year | | | |
| 10 | Pennsylvanian: Pen | S | 1,210 | 10 | 1 | 0 | 0 | | ML | | |
| 40 | Cypress: MisU | S | 2,800 | 15 | 4 | 0 | 1 | | ML | | |
| 10 | Aux Vases: MisU | S | 3,145 | 8 | 1 | 0 | 0 | | ML | | |
| 40 | McClosky: MisL | OL | 3,150 | 6 | 2 | 0 | 0 | | MC | | |
| 110 | | | | | 6 | 0 | 0 | | A | MisL | 3,352 |
| 20 | Cypress: MisU | S | 2,940 | 13 | 1 | 0 | 0 | | Af | | |
| 10 | Paint Creek: MisU[28] | S | 3,080 | 12 | 0 | 0 | 0 | | Af | | |
| 100 | Aux Vases: MisU | S | 3,270 | 14 | 4 | 0 | 0 | | Af | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 200 | | | | | 10 | 0 | 2 | 6 | N | MisL | 3,919 |
| 10 | Aux Vases: MisU[28] | S | 3,240 | 6 | 0 | 0 | 0 | | NL | | |
| 100 | Ohara: MisL | L | 3,310 | 10 | 4 | 0 | 2 | | NC | | |
| 20 | Rosiclare: MisL[28] | L | x | x | 0 | 0 | 0 | | NC | | |
| 120 | McClosky: MisL | OL | 3,370 | 4 | 5 | 0 | 0 | | NC | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 1,350 | | | | | 120 | 1 | 1 | 106 | A | MisL | 3,427 |
| 20 | Palestine: MisU | S | 2,225 | 3 | 2 | 0 | 0 | | ALf | | |
| 400 | Tar Springs: MisU | S | 2,500 | 24 | 28 | 0 | 0 | | ALf | | |
| 10 | Hardinsburg: MisU | S | 2,615 | 22 | 1 | 0 | 0 | | ALf | | |
| 390 | Cypress: MisU | S | 2,915 | 6 | 29 | 1 | 1 | | ALf | | |
| 20 | Paint Creek: MisU[28] | S | 2,980 | 40 | 0 | 0 | 0 | | ALf | | |
| 180 | Bethel: MisU | S | 2,990 | 20 | 9 | 0 | 0 | | ALf | | |
| 340 | Aux Vases: MisU | S | 3,075 | 21 | 26 | 0 | 0 | | ALf | | |
| 40 | Ohara: MisL | OL | 3,175 | 5 | 1 | 0 | 0 | | ACf | | |
| 20 | Rosiclare: MisL[28] | LS | 3,185 | 6 | 0 | 0 | 0 | | ACf | | |
| 240 | McClosky: MisL | OL | 3,230 | 7 | 10 | 1 | 0 | | ACf | | |
| | 1 | | | | 14 | 0 | 0 | | | | |
| 10 | Bethel: MisU | S | 2,990 | 13 | 1 | 0 | 0 | 0 | ML | MisL | 3,290 |
| 10 | Bethel: MisU | S | 3,055 | 14 | 1 | 1 | 0 | 1 | x | MisL | 3,407 |
| 3,360 | | | | | 995 | 0 | 11 | 433 | A | Ord | 4,170 |
| 500 | Cypress: MisU | S | 1,200 | 12 | 50 | 0 | 0 | | A | | |
| 1,400 | Bethel: MisU | S | 1,355 | 20 | 566 | 0 | 0 | | A | | |
| 2,500 | Devonian: Dev | L | 2,870 | 9 | 319 | 0 | 11 | | A | | |
| 1,400 | Trenton: Ord | L | 3,930 | 22 | 59 | 0 | 0 | | A | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 90 | Bethel: MisU | S | 1,440 | 9 | 9 | 0 | 0 | 2 | N | Dev | 3,021 |
| 270 | | | | | 16 | 2 | 0 | 15 | A | Dev | 4,600 |
| 250 | Aux Vases: MisU | S | 2,605 | 15 | 14 | 2 | 0 | | A | | |
| 20 | Ohara: MisL | L | 2,675 | 8 | 1 | 0 | 0 | | A | | |
| 20 | Clear Creek: Dev[28] | L | 4,430 | x | 0 | 0 | 0 | | A | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 20 | Bethel: MisU | S | 1,770 | 6 | 2 | 0 | 0 | 1 | A | MisL | 2,454 |
| 81,000 | | | | | 4,115 | 340 | 31 | 3,105 | A | St. Peter | 7,205 |
| 10 | Waltersburg: MisU | S | 2,175 | 6 | 1 | 0 | 0 | | AL | | |
| 160 | Tar Springs: MisU | S | 2,560 | 15 | 8 | 0 | x | | AL | | |
| 5,650 | Cypress: MisU | S | 2,635 | 15 | 401 | 13 | x | | AL | | |
| 90 | Bethel: MisU | S | 2,800 | 15 | 2 | 0 | x | | AL | | |
| 13,500 | Aux Vases: MisU | S | 2,940 | 15 | 1,158 | 166 | x | | AL | | |
| x | Ohara: MisL | OL | 3,020 | 5 | 108 | 1 | x | | AC | | |
| x | Rosiclare: MisL | LS | 3,030 | 8 | 263 | 45 | x | | AC | | |
| x | McClosky: MisL | OL | 3,050 | 10 | 1,977 | 34 | x | | AC | | |
| 180 | St. Louis: MisL | L | 3,025 | 3 | 7 | 6 | x | | A | | |
| 1,200 | Salem: MisL | L | 3,590 | 10 | 55 | 51 | x | | A | | |
| 10 | Warsaw: MisL[28] | L | 3,600 | 17 | 0 | 0 | 0 | | A | | |
| 20 | Devonian: Dev[28] | L | 4,350 | 10 | 0 | 0 | 0 | | A | | |
| | 1 | | | | 235 | 24 | x | | | | |
| 560 | | | | | 22 | 0 | 1 | 16 | A | Dev | 4,974 |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 397 | | | 0 | 0 | 0 | 20,000 |
| 398 | | | 0 | x | 0 | x |
| 399 | | | 0 | x | 0 | x |
| 400 | Coil: Wayne | 1942 | 0 | 35,000 | 0 | 1,362,000 |
| 401 | | | 0 | 35,000 | 0 | 1,361,000 |
| 402 | | | 0 | 0 | 0 | 1,000 |
| 403 | Coil West: Jefferson | 1942 | 0 | 17,000 | 0 | 568,000 |
| 404 | | | 0 | x | 0 | x |
| 405 | | | 0 | x | 0 | x |
| 406 | | | 0 | x | 0 | x |
| 407 | | | 0 | x | 0 | x |
| 408 | | | | | | |
| 409 | Concord Consolidated: White[46] | 1942 | 37,000 | 202,000 | 109,000 | 4,230,000 |
| 410 | | | 0 | x | 0 | x |
| 411 | | | 0 | 11,000 | 0 | 20,000 |
| 412 | | | 0 | x | 0 | x |
| 413 | | | 16,000 | x | 26,000 | x |
| 414 | | | 0 | x | 0 | x |
| 415 | | | 21,000 | x | 109,000 | x |
| 416 | | | | x | | x |
| 417 | | | | | | |
| 418 | Concord East Consolidated: | 1942 | 0 | 47,000 | 0 | 216,000 |
| 419 | White | | 0 | x | 0 | x |
| 420 | | | 0 | x | 0 | x |
| 421 | | | 0 | x | 0 | x |
| 422 | | | 0 | x | 0 | x |
| 423 | | | 0 | x | 0 | x |
| 424 | | | 0 | x | 0 | x |
| 425 | | | 0 | x | 0 | x |
| 426 | | | | | | |
| 427 | Cooks Mills Consolidated: | 1941 | 0 | 65,000 | 0 | 76,000 |
| 428 | Coles[5, 47] | | 0 | x | 0 | x |
| 429 | | | 0 | x | 0 | x |
| 430 | | | 0 | x | 0 | x |
| 431 | Cooks Mills East: Coles | 1954 | 0 | 15,000 | 0 | 15,000 |
| 432 | | | 0 | x | 0 | x |
| 433 | | | 0 | x | 0 | x |
| 434 | | | | | | |
| 435 | Cordes: Washington | 1939 | 187,000 | 329,000 | 1,984,000 | 7,027,000 |
| 436 | Cottage Grove: Saline | 1955 | 0 | 3,000 | 0 | 3,000 |
| 437 | Covington South: Wayne | 1943 | 0 | 2,000 | 0 | 168,000 |
| 438 | Craig: Perry[48] | 1948 | 0 | 0 | 0 | 2,000 |
| 439 | Cravat: Jefferson | 1939 | 0 | 6,000 | 0 | 326,000 |
| 440 | Crossville: White[49] | 1946 | 0 | 0 | 0 | 16,000 |
| 441 | | | 0 | 0 | 0 | x |
| 442 | | | 0 | 0 | 0 | x |
| 443 | | | 0 | 0 | 0 | x |
| 444 | Crossville West: White[50] | 1952 | 0 | 0 | 0 | 1,500 |
| 445 | Dahlgren: Hamilton | 1941 | 0 | 5,000 | 0 | 1,174,000 |
| 446 | Dale Consolidated: Hamilton, | 1940 | 128,000 | 2,996,000 | 437,000 | 54,957,000 |
| 447 | Saline, Franklin[51] | | 0 | x | 0 | x |
| 448 | | | 0 | x | 0 | x |
| 449 | | | 0 | x | 0 | x |
| 450 | | | 0 | x | 0 | x |
| 451 | | | 0 | x | 0 | x |
| 452 | | | 128,000 | x | 437,000 | x |
| 453 | | | 0 | x | 0 | x |
| 454 | | | 0 | x | 0 | x |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1955 | | | | | |
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | Completed | Abandoned | Producing end of year | | Name | Depth of hole (ft.) |
| 10 | Cypress: MisU | S | 2,700 | 10 | 1 | 0 | 0 | | AL | | |
| 80 | Aux Vases: MisU | S | 2,950 | 7 | 1 | 0 | 0 | | AL | | |
| 540 | McClosky: MisL | OL | 3,065 | 15 | 20 | 0 | 1 | | AL | | |
| 480 | | | | | 17 | 0 | 0 | 12 | A | MisL | 3,250 |
| 460 | Aux Vases: MisU | S | 2,700 | 10 | 16 | 0 | 0 | | A | | |
| 20 | McClosky: MisL | OL | 3,065 | 15 | 1 | 0 | 0 | | AC | | |
| 300 | | | | | 16 | 0 | 0 | 8 | A | MisL | 3,022 |
| 100 | Aux Vases: MisU | S | 2,720 | 15 | 4 | 0 | 0 | | AL | | |
| 100 | Ohara: MisL | L | 2,790 | 7 | 1 | 0 | 0 | | AC | | |
| x | Rosiclare: MisL[28] | L | 2,805 | x | 0 | 0 | 0 | | AC | | |
| 200 | McClosky: MisL | L | 2,880 | 8 | 6 | 0 | 0 | | AC | | |
| | [1] | | | | 5 | 0 | 0 | | | | |
| 1,560 | | | | | 121 | 7 | 0 | 107 | A | MisL | 3,138 |
| 220 | Tar Springs: MisU | S | 2,270 | 11 | 20 | 0 | 0 | | AL | | |
| 10 | Hardinsburg: MisU | S | 2,485 | 7 | 1 | 0 | 0 | | A | | |
| 230 | Cypress: MisU | S | 2,625 | 10 | 15 | 5 | 0 | | AL | | |
| 450 | Aux Vases: MisU | S | 2,905 | 14 | 24 | 0 | 0 | | AL | | |
| 40 | Ohara: MisL | L | 2,930 | 8 | 2 | 1 | 0 | | AC | | |
| 40 | Rosiclare: MisL | L | 3,035 | 8 | 1 | 0 | 0 | | AC | | |
| 1,120 | McClosky: MisL | L | 2,990 | 10 | 44 | 0 | 0 | | AC | | |
| | [1] | | | | 14 | 1 | 0 | | | | |
| 220 | | | | | 19 | 10 | 2 | 14 | A | MisL | 3,125 |
| 30 | Waltersburg: MisU | S | 2,140 | 10 | 3 | 0 | 0 | | A | | |
| 30 | Tar Springs: MisU | S | 2,175 | 4 | 3 | 1 | 0 | | A | | |
| 70 | Cypress: MisU | S | 2,540 | 6 | 5 | 5 | 0 | | A | | |
| 50 | Aux Vases: MisU | S | 2,825 | 12 | 2 | 1 | 0 | | A | | |
| 40 | Ohara: MisL | L | 2,895 | 6 | 2 | 0 | 0 | | AC | | |
| 60 | Rosiclare: MisL[28] | S | 2,895 | 5 | 0 | 0 | 0 | | AC | | |
| 30 | McClosky: MisL | L | 2,965 | 2 | 1 | 0 | 1 | | AC | | |
| | [1] | | | | 3 | 3 | 1 | | | | |
| 260 | | | | | 17 | 12 | 1 | 13 | A | Dev | 2,888 |
| 10 | Aux Vases: MisU | S | 1,765 | 15 | 1 | 0 | 1 | | A | | |
| 230 | Rosiclare: MisL | S | 1,820 | 6 | 15 | 11 | 0 | | A | | |
| 20 | McClosky: MisL | L | 1,840 | 4 | 1 | 1 | 0 | | A | | |
| 120 | | | | | 8 | 7 | 0 | 8 | A | Dev | 3,065 |
| 10 | Aux Vases: MisU[28] | S | 1,740 | 7 | 0 | 0 | 0 | | A | | |
| 120 | Rosiclare: MisL | S | 1,800 | 10 | 7 | 6 | 0 | | A | | |
| | [1] | | | | 1 | 1 | 0 | | | | |
| 1,200 | Bethel: MisU | S | 1,260 | 14 | 142 | 0 | 3 | 86 | A | Dev | 2,887 |
| 20 | Ohara: MisL | L | 2,770 | x | 1 | 1 | 0 | 1 | x | MisL | 2,977 |
| 320 | McClosky: MisL | L | 3,310 | 5 | 8 | 0 | 0 | 2 | AC | MisL | 3,397 |
| 20 | Trenton: Ord | L | 3,650 | 20 | 1 | 0 | 0 | 0 | A | Ord | 3,735 |
| 120 | Bethel: MisU | S | 2,070 | 10 | 11 | 0 | 0 | 7 | A | MisL | 2,363 |
| 100 | | | | | 6 | 0 | 0 | 0 | M | MisL | 3,251 |
| 20 | Bethel: MisU | S | 2,880 | 9 | 2 | 0 | 0 | | ML | | |
| 20 | Ohara: MisL | L | 3,100 | 3 | 1 | 0 | 0 | | MC | | |
| 60 | McClosky: MisL | L | 3,120 | 5 | 3 | 0 | 0 | | MC | | |
| 10 | Aux Vases: MisU | S | 3,030 | 8 | 1 | 0 | 0 | 0 | ML | MisL | 3,242 |
| 700 | McClosky: MisL | L | 3,300 | 11 | 43 | 0 | 2 | 1 | A | MisL | 3,493 |
| 15,000 | | | | | 1,123 | 115 | 17 | 897 | A | Dev | 5,345 |
| 400 | Tar Springs: MisU | S | 2,430 | 25 | 25 | 0 | 0 | | A | | |
| 100 | Hardinsburg: MisU[28] | S | 2,480 | 10 | 0 | 0 | 0 | | A | | |
| 860 | Cypress: MisU | S | 2,700 | 15 | 48 | 0 | 0 | | A | | |
| 200 | Paint Creek: MisU | S | 2,950 | 18 | 9 | 0 | 0 | | A | | |
| 2,000 | Bethel: MisU | S | 2,975 | 18 | 109 | 1 | 5 | | A | | |
| 10,800 | Aux Vases: MisU | S | 3,150 | 20 | 691 | 109 | 7 | | A | | |
| 2,000 | Ohara: MisL | L | 3,110 | 10 | 53 | 2 | 0 | | A | | |
| 400 | Rosiclare: MisL | LS | 3,130 | 7 | 10 | 0 | 1 | | A | | |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 455 | | | 0 | x | 0 | x |
| 456 | | | | | | |
| 457 | Decatur: Macon | 1953 | 0 | 4,000 | 0 | 10,000 |
| 458 | Decatur North: Macon[52] | 1954 | 0 | 0 | 0 | 100 |
| 459 | Divide: Jefferson | 1943 | 0 | 15,000 | 0 | 421,000 |
| 460 | | | 0 | x | 0 | x |
| 461 | | | 0 | x | 0 | x |
| 462 | | | 0 | x | 0 | x |
| 463 | | | | | | |
| 464 | Divide East: Jefferson | 1947 | 0 | 71,000 | 0 | 1,261,000 |
| 465 | | | 0 | x | 0 | x |
| 466 | | | 0 | x | 0 | x |
| 467 | | | 0 | x | 0 | x |
| 468 | | | | | | |
| 469 | Divide South: Jefferson | 1948 | 0 | 7,000 | 0 | 174,000 |
| 470 | Divide West: Jefferson | 1944 | 0 | 170,000 | 0 | 3,084,000 |
| 471 | | | 0 | x | 0 | x |
| 472 | | | 0 | x | 0 | x |
| 473 | | | 0 | x | 0 | x |
| 474 | | | | | | |
| 475 | Dix South: Jefferson[53] | 1941 | 0 | 0 | 0 | 13,000 |
| 476 | Dubois: Washington[5, 54] | 1939 | 0 | 147,000 | 0 | 431,000 |
| 477 | | | 0 | x | 0 | x |
| 478 | | | 0 | x | 0 | x |
| 479 | | | | | | |
| 480 | Dubois Central: Washington | 1954 | 0 | 17,000 | 0 | 24,000 |
| 481 | | | 0 | 0 | 0 | 0 |
| 482 | | | 0 | 17,000 | 0 | 24,000 |
| 483 | Dudley: Edgar[5] | 1948 | 0 | 63,000 | 0 | 584,000 |
| 484 | | | 0 | x | 0 | x |
| 485 | | | 0 | x | 0 | x |
| 486 | Dudleyville East: Bond | 1954 | 0 | 1,000 | 0 | 2,000 |
| 487 | Dundas East: Richland, Jasper | 1942 | 2,000 | 58,000 | 2,000 | 1,973,000 |
| 488 | | | 0 | x | 0 | x |
| 489 | | | 0 | x | 0 | x |
| 490 | | | 2,000 | x | 2,000 | x |
| 491 | | | | | | |
| 492 | Eberle: Effingham | 1947 | 0 | 3,000 | 0 | 70,000 |
| 493 | | | 0 | x | 0 | x |
| 494 | | | 0 | x | 0 | x |
| 495 | | | 0 | x | 0 | x |
| 496 | Edinburg: Christian[55] | 1949 | 0 | 0 | 0 | 0 |
| 497 | Edinburg South: Christian | 1955 | 0 | 0 | 0 | 0 |
| 498 | Edinburg West: Christian, | 1954 | 0 | 540,000 | 0 | 600,000 |
| 499 | Sangamon | | 0 | x | 0 | x |
| 500 | | | 0 | x | 0 | x |
| 501 | | | | | | |
| 502 | Elba: Gallatin | 1955 | 0 | 3,000 | 0 | 3,000 |
| 503 | | | 0 | x | 0 | x |
| 504 | | | 0 | x | 0 | x |
| 505 | Elbridge: Edgar | 1949 | 0 | 61,000 | 0 | 1,226,000 |
| 506 | | | 0 | x | 0 | x |
| 507 | | | 0 | x | 0 | x |
| 508 | | | 0 | 0 | 0 | x |
| 509 | Eldorado Consolidated: Saline[5, 56] | 1941 | 0 | 3,523,000 | 0 | 4,074,000 |
| 510 | | | 0 | x | 0 | x |
| 511 | | | 0 | x | 0 | x |
| 512 | | | 0 | x | 0 | x |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | 1955 | | | | Name | Depth of hole (ft.) |
| | | | | | | Completed | Abandoned | Producing end of year | | | |
| 2,000 | McClosky: MisL | L | 3,150 | 7 | 50 | 1 | 2 | | A | | |
| | 1 | | | | 128 | 2 | 2 | | | | |
| 120 | Silurian: Sil | L | 2,000 | 7 | 6 | 0 | 0 | 6 | MU | Ord | 2,800 |
| 20 | Silurian: Sil | L | 2,200 | 10 | 1 | 0 | 1 | 0 | MU | Sil | 2,240 |
| 280 | | | | | 13 | 2 | 0 | 7 | A | MisL | 2,951 |
| 20 | Ohara: MisL[28] | L | 2,705 | 11 | 0 | 0 | 0 | | AC | | |
| 260 | McClosky: MisL | L | 2,750 | 6 | 11 | 0 | 0 | | AC | | |
| 40 | St. Louis: MisL | L | 2,850 | 7 | 1 | 1 | 0 | | AC | | |
| | 1 | | | | 1 | 1 | 0 | | | | |
| 700 | | | | | 41 | 0 | 1 | 29 | A | MisL | 2,911 |
| 110 | Aux Vases: MisU | S | 2,620 | 10 | 9 | 0 | 0 | | AL | | |
| 60 | Rosiclare: MisL | L | 2,700 | 10 | 3 | 0 | 0 | | AL | | |
| 600 | McClosky: MisL | L | 2,750 | 5 | 28 | 0 | 1 | | AC | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 80 | McClosky: MisL | L | 2,880 | 5 | 4 | 0 | 0 | 4 | x | MisL | 2,981 |
| 1,200 | | | | | 59 | 3 | 0 | 51 | A | MisL | 2,902 |
| 120 | Ohara: MisL | L | 2,680 | 10 | 1 | 0 | 0 | | AC | | |
| 260 | Rosiclare: MisL | LS | 2,700 | 6 | 8 | 2 | 0 | | AC | | |
| 1,100 | McClosky: MisL | L | 2,750 | 6 | 41 | 1 | 0 | | AC | | |
| | 1 | | | | 9 | 0 | 0 | | | | |
| 20 | Bethel: MisU | S | 1,950 | 8 | 2 | 0 | 0 | 0 | N | MisL | 2,283 |
| 690 | | | | | 62 | 42 | 1 | 56 | A | Ord | 4,217 |
| 400 | Cypress: MisU | S | 1,230 | 10 | 34 | 27 | 1 | | AL | | |
| 310 | Bethel: MisU | S | 1,325 | 10 | 27 | 14 | 0 | | AL | | |
| | 1 | | | | 2 | 1 | 0 | | | | |
| 50 | | | | | 3 | 2 | 0 | 3 | x | Dev | 3,100 |
| 10 | Bethel: MisU | S | 1,335 | 12 | 1 | 1 | 0 | | x | | |
| 40 | Rosiclare: MisL | L | 1,530 | 8 | 2 | 1 | 0 | | x | | |
| 580 | | | | | 74 | 2 | 1 | 62 | M | St. Peter | 2,997 |
| 260 | Upper Dudley: Pen | S | 310 | 20 | 20 | 0 | 0 | | ML | | |
| 560 | Lower Dudley: Pen | S | 410 | 50 | 54 | 2 | 1 | | ML | | |
| 40 | Devonian: Dev | L | 2,370 | 5 | 2 | 0 | 0 | 1 | x | Ord | 3,397 |
| 1,660 | | | | | 60 | 1 | 0 | 52 | A | MisL | 3,158 |
| x | Ohara: MisL | OL | 2,905 | 10 | 7 | 0 | 0 | | A | | |
| x | Rosiclare: MisL | OL | 2,920 | 8 | 19 | 1 | 0 | | A | | |
| x | McClosky: MisL | OL | 2,950 | 10 | 33 | 0 | 0 | | A | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 110 | | | | | 6 | 0 | 0 | 5 | N | MisL | 2,882 |
| 10 | Cypress: MisU | S | 2,475 | 10 | 1 | 0 | 0 | | NL | | |
| 20 | Rosiclare: MisL | LS | 2,680 | 5 | 1 | 0 | 0 | | NC | | |
| 80 | McClosky: MisL | L | 2,820 | 7 | 4 | 0 | 0 | | N | | |
| 20 | Cedar Valley: Dev | L | 1,810 | 2 | 1 | 0 | 0 | 0 | A | Dev | 1,853 |
| 20 | Hibbard: Dev | LS | 1,795 | 13 | 1 | 1 | 0 | 1 | x | Sil | 1,902 |
| 660 | | | | | 30 | 15 | 2 | 28 | A | Ord | 2,285 |
| 60 | Devonian: Dev | S | 1,660 | 6 | 1 | 1 | 0 | | A | | |
| 640 | Silurian: Sil | L | 1,690 | 8 | 27 | 13 | 2 | | A | | |
| | 1 | | | | 2 | 1 | 0 | | | | |
| 50 | | | | | 3 | 3 | 0 | 3 | x | MisL | 2,991 |
| 20 | Bethel: MisU | S | 2,660 | 10 | 2 | 2 | 0 | | x | | |
| 40 | Ohara: MisL | L | 2,820 | 11 | 1 | 1 | 0 | | x | | |
| 360 | | | | | 38 | 0 | 0 | 27 | D | Dev | 2,093 |
| 20 | Pennsylvanian: Pen | S | 760 | 3 | 2 | 0 | 0 | | D | | |
| 360 | Fredonia: MisL | L | 950 | 3 | 36 | 0 | 0 | | D | | |
| 20 | Devonian: Dev[28] | L | 1,950 | 20 | 0 | 0 | 0 | | R | | |
| 2,200 | | | | | 208 | 147 | 0 | 206 | A | MisL | 3,606 |
| 80 | Palestine: MisU | S | 1,920 | 20 | 14 | 12 | 0 | | AL | | |
| 1,340 | Waltersburg: MisU | S | 2,120 | 25 | 130 | 119 | 0 | | AL | | |
| 130 | Tar Springs: MisU | S | 2,200 | 15 | 9 | 7 | 0 | | AL | | |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 513 | | | 0 | x | 0 | x |
| 514 | | | 0 | x | 0 | x |
| 515 | | | 0 | x | 0 | x |
| 516 | | | 0 | x | 0 | x |
| 517 | | | 0 | x | 0 | x |
| 518 | | | 0 | x | 0 | x |
| 519 | | | 0 | x | 0 | x |
| 520 | | | | | | |
| 521 | Eldorado East: Saline | 1953 | 0 | 69,000 | 0 | 162,000 |
| 522 | | | 0 | x | 0 | x |
| 523 | | | 0 | x | 0 | x |
| 524 | | | 0 | x | 0 | x |
| 525 | | | 0 | x | 0 | x |
| 526 | | | 0 | x | 0 | x |
| 527 | | | | | | |
| 528 | Eldorado West: Saline | 1955 | 0 | 2,000 | 0 | 2,000 |
| 529 | | | 0 | x | 0 | x |
| 530 | | | 0 | x | 0 | x |
| 531 | Elk Prairie: Jefferson[57] | 1938 | 0 | 0 | 0 | 1,000 |
| 532 | Elkton: Washington | 1955 | 0 | 2,000 | 0 | 2,000 |
| 533 | Elkville: Jackson | 1941 | 0 | 0 | 0 | 4,000 |
| 534 | Ellery Consolidated: Edwards, | 1941 | 0 | 567,000 | 0 | 2,346,000 |
| 535 | Wayne | | 0 | x | 0 | x |
| 536 | | | 0 | x | 0 | x |
| 537 | | | 0 | x | 0 | x |
| 538 | | | 0 | x | 0 | x |
| 539 | | | 0 | x | 0 | x |
| 540 | | | 0 | x | 0 | x |
| 541 | | | | | | |
| 542 | Ellery East: Edwards | 1952 | 0 | 92,000 | 0 | 367,000 |
| 543 | | | 0 | x | 0 | x |
| 544 | | | 0 | x | 0 | x |
| 545 | | | 0 | x | 0 | x |
| 546 | Ellery North: Edwards[58] | 1942 | 0 | 8,000 | 0 | 18,000 |
| 547 | | | 0 | x | 0 | x |
| 548 | | | 0 | x | 0 | x |
| 549 | | | 0 | x | 0 | x |
| 550 | | | 0 | 0 | 0 | 3,000 |
| 551 | | | | | | |
| 552 | Ellery South: Edwards[59] | 1943 | 0 | 4,000 | 0 | 156,000 |
| 553 | | | 0 | 4,000 | 0 | 17,000 |
| 554 | | | 0 | 0 | 0 | 138,000 |
| 555 | Elliottstown: Effingham[60] | 1947 | 0 | 0 | 0 | 14,000 |
| 556 | Elliottstown East: Effingham | 1954 | 0 | 2,000 | 0 | 2,000 |
| 557 | Elliottstown North: Effingham | 1953 | 0 | 1,000 | 0 | 9,000 |
| 558 | Enfield: White[61] | 1950 | 0 | 45,000 | 0 | 235,000 |
| 559 | | | 0 | x | 0 | x |
| 560 | | | 0 | x | 0 | x |
| 561 | | | 0 | x | 0 | x |
| 562 | Epworth Consolidated: White[5] | 1941 | 0 | 177,000 | 0 | 1,122,000 |
| 563 | | | 0 | x | 0 | x |
| 564 | | | 0 | x | 0 | x |
| 565 | | | 0 | x | 0 | x |
| 566 | | | 0 | x | 0 | x |
| 567 | | | 0 | x | 0 | x |
| 568 | | | 0 | x | 0 | x |
| 569 | | | 0 | x | 0 | x |
| 570 | | | 0 | x | 0 | x |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1955 | | | | | |
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | Completed | Abandoned | Producing end of year | | Name | Depth of hole (ft.) |
| 130 | Hardinsburg: MisU | S | 2,350 | 8 | 8 | 0 | 0 | | AL | | |
| 40 | Cypress: MisU | S | 2,575 | 8 | 1 | 1 | 0 | | AL | | |
| 60 | Paint Creek: MisU | S | 2,680 | 18 | 2 | 1 | 0 | | AL | | |
| 460 | Aux Vases: MisU | S | 2,900 | 12 | 32 | 2 | 0 | | AL | | |
| 40 | Ohara: MisL | L | 2,900 | 5 | 1 | 1 | 0 | | AC | | |
| 20 | Rosiclare: MisL[28] | LS | 2,900 | 4 | 0 | 0 | 0 | | AC | | |
| 40 | McClosky: MisL | L | 2,975 | 5 | 2 | 0 | 0 | | AC | | |
| | 1 | | | | 15 | 4 | 0 | | | | |
| 260 | | | | | 20 | 3 | 1 | 19 | A | MisL | 3,102 |
| 10 | Palestine: MisU | S | 1,915 | 10 | 1 | 0 | 0 | | AL | | |
| 20 | Tar Springs: MisU | S | 2,180 | 10 | 1 | 1 | 0 | | AL | | |
| 30 | Cypress: MisU | S | 2,515 | 20 | 2 | 0 | 0 | | AC | | |
| 190 | Aux Vases: MisU | S | 2,885 | 6 | 14 | 2 | 0 | | AL | | |
| 20 | Rosiclare: MisL | L | 2,975 | 4 | 1 | 0 | 1 | | AC | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 20 | | | | | 2 | 2 | 0 | 2 | x | MisL | 3,138 |
| 10 | Renault: MisU[28] | L | 2,910 | 6 | 0 | 0 | 0 | | x | | |
| 20 | Aux Vases: MisU | L | 2,960 | 6 | 2 | 2 | 0 | | x | | |
| 20 | McClosky: MisL | L | 2,735 | 7 | 1 | 0 | 0 | 0 | x | MisL | 2,956 |
| 40 | Bailey: Dev | L | 2,340 | 30 | 2 | 2 | 0 | 2 | x | Dev | 2,485 |
| 10 | Bethel: MisU | S | 2,000 | 10 | 1 | 0 | 0 | 0 | x | MisL | 2,387 |
| 2,600 | | | | | 174 | 35 | 2 | 160 | H | MisL | 3,556 |
| 250 | Bethel: MisU | S | 3,110 | 11 | 20 | 1 | 1 | | HL | | |
| 950 | Aux Vases: MisU | S | 3,235 | 20 | 56 | 16 | 0 | | HL | | |
| 620 | Ohara: MisL | L | 3,300 | 10 | 15 | 0 | 0 | | HC | | |
| 740 | Rosiclare: MisL | L | 3,320 | 11 | 13 | 5 | 0 | | HC | | |
| 900 | McClosky: MisL | L | 3,350 | 4 | 27 | 5 | 1 | | HC | | |
| 40 | St. Louis: MisL | L | 3,430 | 10 | 1 | 0 | 0 | | HL | | |
| | 1 | | | | 42 | 8 | 0 | | | | |
| 320 | | | | | 24 | 6 | 0 | 24 | M | MisL | 3,390 |
| 160 | Aux Vases: MisU | S | 3,180 | 35 | 13 | 4 | 0 | | ML | | |
| 180 | Ohara: MisL | L | 3,255 | 6 | 11 | 2 | 0 | | MC | | |
| 40 | Rosiclare: MisL | L | 3,255 | 4 | 2 | 0 | 0 | | MC | | |
| 140 | | | | | 6 | 0 | 0 | 3 | M | MisL | 3,496 |
| 20 | Bethel: MisU | S | 3,100 | 35 | 1 | 0 | 0 | | ML | | |
| 10 | Aux Vases: MisU[28] | S | 3,280 | 12 | 0 | 0 | 0 | | ML | | |
| 80 | Rosiclare: MisL | S | 3,345 | 8 | 3 | 0 | 0 | | ML | | |
| 40 | McClosky: MisL | L | 3,420 | 7 | 1 | 0 | 0 | | MC | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 200 | | | | | 8 | 0 | 0 | 3 | M | MisL | 3,434 |
| 40 | Aux Vases: MisU | S | 3,200 | 15 | 4 | 0 | 0 | | ML | | |
| 160 | McClosky: MisL | L | 3,300 | 9 | 4 | 0 | 0 | | MC | | |
| 20 | Rosiclare: MisL | S | 2,730 | 8 | 1 | 0 | 0 | 0 | HL | MisL | 2,884 |
| 10 | Cypress: MisU | S | 2,485 | 5 | 1 | 0 | 0 | 1 | HL | MisL | 2,867 |
| 20 | Cypress: MisU | S | 2,430 | 4 | 2 | 0 | 0 | 1 | HL | MisL | 2,865 |
| 280 | | | | | 16 | 0 | 0 | 16 | A | MisL | 4,259 |
| 140 | Aux Vases: MisU | S | 3,250 | 10 | 9 | 0 | 0 | | AL | | |
| 40 | Ohara: MisL | L | 3,310 | 4 | 2 | 0 | 0 | | AC | | |
| 100 | McClosky: MisL | L | 3,385 | 8 | 5 | 0 | 0 | | AC | | |
| 760 | | | | | 67 | 18 | 1 | 62 | A | MisL | 3,240 |
| 40 | Pennsylvanian: Pen | S | 1,320 | 10 | 4 | 1 | 0 | | A | | |
| 50 | Biehl: Pen | S | 1,840 | 4 | 5 | 2 | 1 | | Af | | |
| 60 | Degonia: MisU | S | 2,090 | 10 | 5 | 0 | 0 | | AL | | |
| 120 | Clore: MisU | S | 2,100 | 10 | 11 | 1 | 0 | | AL | | |
| 30 | Palestine: MisU | S | 2,150 | 12 | 2 | 0 | 0 | | AL | | |
| 30 | Waltersburg: MisU | S | 2,345 | 6 | 1 | 0 | 0 | | AL | | |
| 70 | Tar Springs: MisU | S | 2,360 | 15 | 5 | 0 | 0 | | Af | | |
| 50 | Cypress: MisU | S | 2,730 | 10 | 3 | 1 | 0 | | Af | | |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 571 | | | 0 | x | 0 | x |
| 572 | | | 0 | x | 0 | x |
| 573 | | | 0 | x | 0 | x |
| 574 | | | 0 | x | 0 | x |
| 575 | | | | | | |
| 576 | Evers: Effingham[62] | 1948 | 0 | 14,000 | 0 | 46,000 |
| 577 | | | 0 | 14,000 | 0 | 45,000 |
| 578 | | | 0 | 0 | 0 | 1,000 |
| 579 | Evers South: Effingham[63] | 1948 | 0 | 0 | 0 | 2,000 |
| 580 | Ewing: Franklin | 1944 | 0 | 15,000 | 0 | 481,000 |
| 581 | | | 0 | 2,000 | 0 | 51,000 |
| 582 | | | 0 | 13,000 | 0 | 430,000 |
| 583 | Exchange: Marion | 1943 | 0 | 1,000 | 0 | 59,000 |
| 584 | | | 0 | x | 0 | x |
| 585 | | | 0 | x | 0 | x |
| 586 | Exchange East: Marion | 1955 | 0 | 78,000 | 0 | 78,000 |
| 587 | | | 0 | x | 0 | x |
| 588 | | | 0 | x | 0 | x |
| 589 | | | 0 | x | 0 | x |
| 590 | | | 0 | x | 0 | x |
| 591 | | | | | | |
| 592 | Exchange North: Marion[64] | 1951 | 0 | 0 | 0 | 2,000 |
| 593 | Fairman: Marion, Clinton | 1939 | 0 | 24,000 | 0 | 1,583,000 |
| 594 | Fitzgerrell: Jefferson[65] | 1944 | 0 | 0 | 0 | 16,000 |
| 595 | | | 0 | 0 | 0 | x |
| 596 | | | 0 | 0 | 0 | x |
| 597 | Flora South: Clay | 1946 | 0 | 7,000 | 0 | 144,000 |
| 598 | Francis Mills: Saline | 1952 | 0 | 7,000 | 0 | 44,000 |
| 599 | Francis Mills South: Saline | 1955 | 0 | 3,000 | 0 | 3,000 |
| 600 | Freeburg South: St. Clair | 1955 | 0 | x | 0 | x |
| 601 | Friendsville Central: Wabash | 1946 | 0 | 1,000 | 0 | 31,000 |
| 602 | Friendsville North: Wabash | 1946 | 6,000 | 9,000 | 140,000 | 197,000 |
| 603 | Frogtown North: Clinton | 1951 | 0 | 210,000 | 0 | 1,339,000 |
| 604 | | | 0 | x | 0 | x |
| 605 | | | 0 | x | 0 | x |
| 606 | Gards Point: Wabash | 1951 | 0 | 4,000 | 0 | 56,000 |
| 607 | Gards Point North: Wabash | 1952 | 0 | 1,000 | 0 | 19,000 |
| 608 | Gays: Moultrie[66] | 1946 | 0 | 11,000 | 0 | 12,000 |
| 609 | | | 0 | x | 0 | x |
| 610 | | | 0 | x | 0 | x |
| 611 | | | | | | |
| 612 | Glenarm: Sangamon | 1955 | 0 | 500 | 0 | 500 |
| 613 | Goldengate Consolidated: | 1938 | 3,000 | 463,000 | 8,000 | 7,036,000 |
| 614 | Wayne, White | | 0 | x | 0 | x |
| 615 | | | x | x | x | x |
| 616 | | | 0 | x | 0 | x |
| 617 | | | x | x | x | x |
| 618 | | | | | | |
| 619 | Goldengate East: Wayne | 1951 | 0 | 1,000 | 0 | 5,000 |
| 620 | Goldengate North Consolidated: | 1945 | 0 | 52,000 | 0 | 231,000 |
| 621 | Wayne | | 0 | x | 0 | x |
| 622 | | | 0 | x | 0 | x |
| 623 | | | 0 | x | 0 | x |
| 624 | | | 0 | x | 0 | x |
| 625 | | | 0 | x | 0 | x |
| 626 | | | | | | |
| 627 | Grandview: Edgar[5] | 1945 | 0 | 100 | 0 | 100 |
| 628 | Half Moon: Wayne | 1947 | 0 | 226,000 | 0 | 1,355,000 |

(continued)

| Total proved area (acres) | Producing Formation: Name: Age[a] | Producing Formation: Character[b] | Producing Formation: Depth to top (ft.) | Producing Formation: Av. thickness (ft.) | Number of Wells: Completed to end of 1955 | Number of Wells: 1955: Completed | Number of Wells: 1955: Abandoned | Number of Wells: 1955: Producing end of year | Structure[c] | Deepest Zone Tested: Name | Deepest Zone Tested: Depth of hole (ft.) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | Renault: MisU | L | 2,990 | 5 | 1 | 1 | 0 | | A | | |
| 270 | Aux Vases: MisU | S | 3,000 | 13 | 22 | 10 | 0 | | Af | | |
| 20 | Ohara: MisL[28] | L | 3,095 | 10 | 0 | 0 | 0 | | AC | | |
| 80 | Rosiclare: MisL | L | 3,115 | 2 | 3 | 1 | 0 | | AC | | |
| | [1] | | | | 5 | 1 | 0 | | | | |
| 70 | | | | | 4 | 0 | 0 | 3 | A | MisL | 2,808 |
| 60 | Rosiclare: MisL | L | 2,610 | 7 | 3 | 0 | 0 | | AL | | |
| 10 | McClosky: MisL | L | 2,660 | 4 | 1 | 0 | 0 | | AC | | |
| 10 | Rosiclare: MisL | LS | 2,650 | 8 | 1 | 0 | 0 | 0 | AL | MisL | 2,771 |
| 150 | | | | | 8 | 0 | 0 | 3 | A | MisL | 3,094 |
| 10 | Aux Vases: MisU | S | 2,835 | 8 | 1 | 0 | 0 | | AL | | |
| 140 | McClosky: MisL | L | 2,970 | 7 | 7 | 0 | 0 | | A | | |
| 80 | | | | | 2 | 0 | 0 | 1 | M | MisL | 2,869 |
| 40 | Ohara: MisL[28] | L | 2,695 | 10 | 0 | 0 | 0 | | MC | | |
| 80 | McClosky: MisL | L | 2,730 | 8 | 2 | 0 | 0 | | MC | | |
| 240 | | | | | 12 | 12 | 0 | 12 | x | MisL | 3,006 |
| 20 | Ohara: MisL | L | 2,775 | 14 | 1 | 1 | 0 | | x | | |
| 100 | Rosiclare: MisL | S | 2,780 | 11 | 3 | 0 | 0 | | x | | |
| 180 | McClosky: MisL | L | 2,840 | 4 | 6 | 6 | 0 | | x | | |
| 20 | St. Louis: MisL | L | 2,940 | 8 | 1 | 1 | 0 | | x | | |
| | [1] | | | | 1 | 1 | 0 | | | | |
| 40 | McClosky: MisL | L | 2,715 | 6 | 2 | 1 | 0 | 1 | MC | MisL | 2,831 |
| 460 | Bethel: MisU | S | 1,435 | 10 | 41 | 0 | 0 | 22 | A | Ord | 4,100 |
| 10 | | | | | 1 | 0 | 0 | 0 | x | MisL | 3,012 |
| 10 | Bethel: MisU | S | 2,760 | 5 | 1 | 0 | 0 | | x | | |
| 10 | Aux Vases: MisU[28] | S | 2,800 | x | 0 | 0 | 0 | | x | | |
| 100 | McClosky: MisL | L | 2,985 | 6 | 4 | 0 | 0 | 3 | AC | MisL | 3,361 |
| 10 | Cypress: MisU | S | 2,675 | 5 | 1 | 0 | 0 | 1 | x | MisL | 3,238 |
| 20 | Ohara: MisL | L | 3,010 | 11 | 1 | 1 | 0 | 1 | x | MisL | 3,180 |
| 10 | Cypress: MisU | S | 385 | x | 1 | 1 | 0 | 1 | x | Ord | 2,000 |
| 50 | Bethel: MisU | S | 2,330 | 15 | 5 | 0 | 1 | 2 | MC | MisL | 2,630 |
| 120 | Biehl: Pen | S | 1,620 | 12 | 13 | 0 | 0 | 8 | MC | MisL | 2,592 |
| 580 | | | | | 34 | 2 | 1 | 31 | D | Sil | 2,456 |
| 100 | St. Louis | L | 1,200 | 10 | 5 | 0 | 0 | | D | | |
| 580 | Devonian-Silurian | L | 2,250 | 8 | 29 | 2 | 1 | | R | | |
| 20 | Ohara: MisL | L | 2,840 | 6 | 1 | 0 | 0 | 1 | MC | MisL | 2,961 |
| 20 | Ohara: MisL | L | 2,850 | 3 | 1 | 0 | 0 | 1 | MC | MisL | 2,955 |
| 100 | | | | | 5 | 4 | 0 | 4 | M | Dev | 3,305 |
| 100 | Aux Vases: MisU | S | 1,970 | 5 | 4 | 3 | 0 | | ML | | |
| 20 | Devonian: Dev[28] | L | 3,205 | 3 | 0 | 0 | 0 | | MC | | |
| | [1] | | | | 1 | 1 | 0 | | | | |
| 20 | Silurian: Sil | L | 1,680 | 9 | 1 | 1 | 0 | 1 | x | Sil | 1,720 |
| 3,800 | | | | | 205 | 7 | 5 | 157 | A | MisL | 3,607 |
| 730 | Aux Vases: MisU | S | 3,180 | 15 | 66 | 4 | 2 | | AL | | |
| 800 | Ohara: MisL | OL | 3,250 | 6 | 13 | 2 | 0 | | AC | | |
| 1,000 | Rosiclare: MisL | LS | 3,275 | 7 | 16 | 0 | 1 | | AC | | |
| 2,000 | McClosky: MisL | OL | 3,310 | 7 | 69 | 0 | 2 | | AC | | |
| | [1] | | | | 41 | 1 | 0 | | | | |
| 20 | Ohara: MisL | L | 3,290 | 3 | 1 | 0 | 0 | 1 | x | MisL | 3,420 |
| 400 | | | | | 27 | 1 | 0 | 23 | M | MisL | 3,509 |
| 10 | Bethel: MisU[28] | S | 3,095 | 3 | 0 | 0 | 0 | | ML | | |
| 160 | Aux Vases: MisU | S | 3,235 | 25 | 11 | 0 | 0 | | ML | | |
| 120 | Ohara: MisL[28] | L | 3,300 | 4 | 0 | 0 | 0 | | MC | | |
| 160 | Rosiclare: MisL | L | 3,325 | 5 | 5 | 1 | 0 | | MC | | |
| 60 | McClosky: MisL | L | 3,350 | 6 | 2 | 0 | 0 | | MC | | |
| | [1] | | | | 9 | 0 | 0 | | | | |
| 10 | Pennsylvanian: Pen | S | 560 | 10 | 1 | 0 | 0 | 1 | M | Ord | 2,694 |
| 700 | | | | | 35 | 11 | 0 | 32 | M | MisL | 3,510 |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 629 | | | 0 | x | 0 | x |
| 630 | | | 0 | x | 0 | x |
| 631 | | | 0 | x | 0 | x |
| 632 | | | 0 | x | 0 | x |
| 633 | | | | | | |
| 634 | Harco: Saline | 1954 | 0 | 3,000 | 0 | 3,000 |
| 635 | | | 0 | 3,000 | 0 | 3,000 |
| 636 | | | 0 | 500 | 0 | 500 |
| 637 | Harco East: Saline | 1955 | 0 | 9,000 | 0 | 9,000 |
| 638 | | | 0 | 2,000 | 0 | 2,000 |
| 639 | | | 0 | 7,000 | 0 | 7,000 |
| 640 | Harrisburg: Saline[5] | 1954 | 0 | 77,000 | 0 | 77,000 |
| 641 | | | 0 | 77,000 | 0 | 77,000 |
| 642 | | | 0 | 500 | 0 | 500 |
| 643 | Harrisburg South: Saline | 1955 | 0 | 0 | 0 | 0 |
| 644 | Harristown: Macon | 1954 | 0 | 2,000 | 0 | 4,000 |
| 645 | Herald Consolidated: White, | 1939 | 0 | 1,044,000 | 0 | 7,685,000 |
| 646 | Gallatin[67, 5] | | 0 | x | 0 | x |
| 647 | | | 0 | x | 0 | x |
| 648 | | | 0 | x | 0 | x |
| 649 | | | 0 | x | 0 | x |
| 650 | | | 0 | x | 0 | x |
| 651 | | | 0 | x | 0 | x |
| 652 | | | 0 | x | 0 | x |
| 653 | | | 0 | x | 0 | x |
| 654 | | | 0 | x | 0 | x |
| 655 | | | 0 | x | 0 | x |
| 656 | | | 0 | x | 0 | x |
| 657 | | | 0 | x | 0 | x |
| 658 | | | 0 | x | 0 | x |
| 659 | | | 0 | x | 0 | x |
| 660 | | | 0 | x | 0 | x |
| 661 | | | | | | |
| 662 | Hidalgo: Jasper[68] | 1940 | 0 | 0 | 0 | 10,000 |
| 663 | Hidalgo North: Cumberland | 1946 | 0 | 1,000 | 0 | 11,000 |
| 664 | Hill: Effingham[69] | 1943 | 0 | 0 | 0 | 41,000 |
| 665 | Hill East: Effingham | 1954 | 0 | 177,000 | 0 | 275,000 |
| 666 | | | 0 | 92,000 | 0 | 92,000 |
| 667 | | | 0 | x | 0 | x |
| 668 | | | 0 | x | 0 | x |
| 669 | | | | | | |
| 670 | Hoffman: Clinton | 1939 | 0 | 11,000 | 0 | 701,000 |
| 671 | | | 0 | x | 0 | x |
| 672 | | | 0 | x | 0 | x |
| 673 | | | | | | |
| 674 | Hoodville East: Hamilton[70] | 1944 | 0 | 0 | 0 | 1,000 |
| 675 | Hord: Clay | 1950 | 0 | 81,000 | 0 | 221,000 |
| 676 | Hord South: Clay[71] | 1942 | 0 | 69,000 | 0 | 877,000 |
| 677 | | | 0 | x | 0 | x |
| 678 | | | 0 | x | 0 | x |
| 679 | Hoyleton West: Washington | 1955 | 0 | 1,000 | 0 | 1,000 |
| 680 | Huey: Clinton | 1945 | 0 | 0 | 0 | 3,000 |
| 681 | Huey South: Clinton | 1953 | 0 | 13,000 | 0 | 26,000 |
| 682 | Hunt City: Jasper[72] | 1945 | 0 | 0 | 0 | 1,000 |
| 683 | Hunt City East: Jasper[73] | 1952 | 0 | 0 | 0 | 4,000 |
| 684 | Hunt City South: Jasper | 1947 | 0 | 2,000 | 0 | 30,000 |
| 685 | Ina: Jefferson[74] | 1938 | 0 | 0 | 0 | 16,000 |
| 686 | | | 0 | 0 | 0 | 0 |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | 1955 | | | | | |
| | | | | | | Completed | Abandoned | Producing end of year | | Name | Depth of hole (ft.) |
| 20 | Aux Vases: MisU | S | 3,190 | 18 | 1 | 0 | 0 | | ML | | |
| 240 | Ohara: MisL | L | 3,280 | 11 | 11 | 10 | 0 | | MC | | |
| 80 | Rosiclare: MisL | L | 3,280 | 4 | 2 | 0 | 0 | | MC | | |
| 400 | McClosky: MisL | L | 3,300 | 10 | 19 | 0 | 0 | | MC | | |
| | 1 | | | | 2 | 1 | 0 | | | | |
| 30 | | | | | 3 | 2 | 0 | 3 | x | MisL | 3,107 |
| 10 | Paint Creek: MisU | S | 2,675 | 8 | 1 | 0 | 0 | | x | | |
| 20 | Aux Vases: MisU | S | 2,860 | 15 | 2 | 2 | 0 | | x | | |
| 30 | | | | | 2 | 2 | 0 | 2 | x | MisL | 3,031 |
| 10 | Cypress: MisU | S | 2,555 | 20 | 1 | 1 | 0 | | x | | |
| 20 | Ohara: MisL | L | 2,880 | 14 | 1 | 1 | 0 | | x | | |
| 90 | | | | | 9 | 9 | 0 | 9 | x | MisL | 2,930 |
| 80 | Waltersburg: MisU | S | 2,020 | 14 | 8 | 8 | 0 | | x | | |
| 10 | Tar Springs: MisU | S | 2,115 | 6 | 1 | 1 | 0 | | x | | |
| 10 | Cypress: MisU | S | 2,301 | x | 1 | 1 | 0 | 1 | x | MisL | 2,352 |
| 20 | Silurian: Sil | L | 2,050 | 3 | 1 | 0 | 0 | 1 | MU | Sil | 2,080 |
| 4,500 | | | | | 426 | 56 | 14 | 356 | A | MisL | 3,394 |
| 10 | Pennsylvanian: Pen | S | 1,060 | 10 | 1 | 0 | 0 | | AL | | |
| 160 | Pennsylvanian: Pen | S | 1,500 | 15 | 12 | 1 | 0 | | AL | | |
| 20 | Pennsylvanian: Pen | S | 1,750 | 18 | 2 | 1 | 1 | | AL | | |
| 30 | Degonia: MisU | S | 1,920 | 12 | 3 | 2 | 1 | | AL | | |
| 20 | Clore: MisU[28] | S | 1,965 | 10 | 0 | 0 | 0 | | AL | | |
| 10 | Palestine: MisU | S | 1,940 | 20 | 1 | 1 | 0 | | AL | | |
| 420 | Waltersburg: MisU | S | 2,240 | 10 | 39 | 0 | 1 | | A | | |
| 400 | Tar Springs: MisU | S | 2,260 | 13 | 33 | 6 | 2 | | A | | |
| 1,450 | Cypress: MisU | S | 2,660 | 14 | 139 | 5 | 3 | | A | | |
| 10 | Paint Creek: MisU[28] | S | x | x | 0 | 0 | 0 | | AL | | |
| 200 | Bethel: MisU | S | 2,790 | 11 | 14 | 4 | 0 | | AL | | |
| 1,650 | Aux Vases: MisU | S | 2,920 | 6 | 143 | 36 | 5 | | AL | | |
| 140 | Ohara: MisL | L | 2,965 | 6 | 5 | 0 | 0 | | AC | | |
| 120 | Rosiclare: MisL | L | 3,005 | 4 | 3 | 0 | 0 | | AC | | |
| 400 | McClosky: MisL | L | 3,010 | 10 | 14 | 0 | 1 | | AC | | |
| | 1 | | | | 20 | 0 | 0 | | | | |
| 60 | McClosky: MisL | L | 2,575 | 4 | 3 | 0 | 0 | 0 | MC | Dev | 4,140 |
| 40 | Rosiclare: MisL | S | 2,655 | 12 | 2 | 0 | 0 | 1 | x | MisL | 2,776 |
| 80 | McClosky: MisL | L | 2,565 | 5 | 2 | 0 | 0 | 0 | N | MisL | 2,710 |
| 390 | | | | | 30 | 23 | 0 | 30 | x | MisL | 3,251 |
| 210 | Cypress: MisU | S | 2,460 | 8 | 21 | 21 | 0 | | x | | |
| 40 | Rosiclare: MisL | L | 2,660 | 5 | 1 | 0 | 0 | | x | | |
| 160 | McClosky: MisL | L | 2,700 | 7 | 7 | 2 | 0 | | x | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 260 | | | | | 48 | 0 | 0 | 27 | A | Dev | 2,914 |
| 120 | Cypress: MisU | S | 1,190 | 11 | 12 | 0 | 0 | | A | | |
| 180 | Bethel: MisU | S | 1,320 | 7 | 35 | 0 | 0 | | A | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 20 | McClosky: MisL | L | 3,365 | 3 | 1 | 0 | 0 | 0 | N | MisL | 3,411 |
| 180 | Ste. Genevieve: MisL | L | 2,800 | 5 | 9 | 2 | 0 | 9 | M | MisL | 2,954 |
| 550 | | | | | 25 | 2 | 0 | 24 | N | MisL | 2,975 |
| 10 | Aux Vases: MisU | S | 2,735 | 8 | 1 | 1 | 0 | | N | | |
| 540 | Ste. Genevieve: MisL | L | 2,790 | 7 | 24 | 1 | 0 | | NC | | |
| 20 | Clear Creek: Dev | L | 2,895 | 12 | 1 | 1 | 0 | 1 | x | Sil | 2,965 |
| 100 | Bethel: MisU | S | 1,260 | 6 | 7 | 0 | 0 | 0 | AL | Dev | 2,720 |
| 110 | Cypress: MisU | S | 1,080 | 5 | 12 | 2 | 0 | 11 | x | Sil | 2,675 |
| 20 | Rosiclare: MisL | S | 2,540 | 10 | 1 | 0 | 0 | 0 | ML | MisL | 2,715 |
| 20 | Fredonia: MisL | L | 1,845 | 6 | 1 | 0 | 0 | 0 | x | MisL | 1,855 |
| 80 | McClosky: MisL | L | 2,445 | 7 | 4 | 0 | 0 | 2 | MC | MisL | 2,559 |
| 50 | | | | | 3 | 0 | 0 | 0 | A | MisL | 3,498 |
| 10 | Renault: MisU | S | 2,725 | 14 | 1 | 0 | 0 | | AL | | |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 687 | | | 0 | 0 | 0 | 16,000 |
| 688 | Ina North: Jefferson | 1949 | 0 | 0 | 0 | 1,000 |
| 689 | Inclose: Edgar, Clark[5] | 1941 | 0 | x | 0 | x |
| 690 | Ingraham: Clay[75] | 1942 | 0 | 16,000 | 0 | 531,000 |
| 691 | | | 0 | x | 0 | x |
| 692 | | | 0 | x | 0 | x |
| 693 | | | 0 | x | 0 | x |
| 694 | Inman East Consolidated: | 1940 | 801,000 | 1,034,000 | 929,000 | 11,993,000 |
| 695 | Gallatin | | 0 | x | 0 | x |
| 696 | | | 0 | x | 0 | x |
| 697 | | | 0 | x | 0 | x |
| 698 | | | 0 | x | 0 | x |
| 699 | | | 0 | x | 0 | x |
| 700 | | | 0 | x | 0 | x |
| 701 | | | 493,000 | x | 569,000 | x |
| 702 | | | 0 | x | 0 | x |
| 703 | | | 308,000 | x | 360,000 | x |
| 704 | | | 0 | x | 0 | x |
| 705 | | | 0 | x | 0 | x |
| 706 | | | 0 | x | 0 | x |
| 707 | | | 0 | x | 0 | x |
| 708 | | | | | | |
| 709 | Inman West Consolidated: | 1940 | 0 | 379,000 | 0 | 3,430,000 |
| 710 | Gallatin | | 0 | x | 0 | x |
| 711 | | | 0 | x | 0 | x |
| 712 | | | 0 | x | 0 | x |
| 713 | | | 0 | x | 0 | x |
| 714 | | | 0 | x | 0 | x |
| 715 | | | 0 | x | 0 | x |
| 716 | | | 0 | x | 0 | x |
| 717 | | | 0 | x | 0 | x |
| 718 | | | 0 | x | 0 | x |
| 719 | | | 0 | x | 0 | x |
| 720 | | | 0 | x | 0 | x |
| 721 | | | | | | |
| 722 | Iola Central: Clay | 1954 | 0 | 1,000 | 0 | 1,000 |
| 723 | Iola Consolidated: Clay, | 1939 | 0 | 428,000 | 0 | 8,719,000 |
| 724 | Effingham | | 0 | x | 0 | x |
| 725 | | | 0 | x | 0 | x |
| 726 | | | 0 | x | 0 | x |
| 727 | | | 0 | x | 0 | x |
| 728 | | | 0 | x | 0 | x |
| 729 | | | 0 | x | 0 | x |
| 730 | | | 0 | x | 0 | x |
| 731 | | | 0 | x | 0 | x |
| 732 | | | | | | |
| 733 | Iola South: Clay | 1947 | 0 | 14,000 | 0 | 180,000 |
| 734 | | | 0 | x | 0 | x |
| 735 | | | 0 | x | 0 | x |
| 736 | | | 0 | x | 0 | x |
| 737 | | | | | | |
| 738 | Iola West: Clay[76] | 1945 | 0 | 0 | 0 | 500 |
| 739 | Irvington: Washington | 1940 | 0 | 247,000 | 0 | 5,747,000 |
| 740 | | | 0 | x | 0 | x |
| 741 | | | 0 | x | 0 | x |
| 742 | | | 0 | x | 0 | x |
| 743 | | | 0 | x | 0 | x |
| 744 | | | | | | |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1955 | | | | | |
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | Completed | Abandoned | Producing end of year | | Name | Depth of hole (ft.) |
| 40 | St. Louis: MisL | L | 3,000 | 4 | 2 | 0 | 0 | | AC | | |
| 20 | McClosky: MisL | L | 2,940 | 4 | 1 | 0 | 0 | 0 | x | MisL | 3,150 |
| 50 | Isabel: Pen | S | 345 | 8 | 6 | 0 | 0 | 2 | AL | MisL | 1,600 |
| 660 | | | | | 32 | 0 | 0 | 26 | M | MisL | 3,148 |
| 10 | Aux Vases: MisU[28] | S | 2,915 | 15 | 0 | 0 | 0 | | ML | | |
| 620 | Rosiclare: MisL | L | 3,000 | 7 | 28 | 0 | 0 | | MC | | |
| 80 | McClosky: MisL | L | 3,075 | 8 | 4 | 0 | 0 | | MC | | |
| 3,320 | | | | | 336 | 21 | 3 | 306 | A | MisL | 3,020 |
| 10 | Pennsylvanian: Pen | S | 780 | 10 | 4 | 0 | 0 | | AF | | |
| 40 | Pennsylvanian: Pen | S | 1,450 | 4 | 1 | 0 | 0 | | AF | | |
| 50 | Degonia: MisU | S | 1,690 | 10 | 1 | 0 | 0 | | AF | | |
| 60 | Clore: MisU | S | 1,725 | 8 | 1 | 0 | 0 | | AF | | |
| 50 | Palestine: MisU | S | 1,840 | 13 | 1 | 0 | 0 | | AF | | |
| 540 | Waltersburg: MisU | S | 1,980 | 18 | 33 | 2 | 0 | | AF | | |
| 1,500 | Tar Springs: MisU | S | 2,080 | 13 | 127 | 0 | 2 | | AF | | |
| 220 | Hardinsburg: MisU | S | 2,135 | 10 | 9 | 3 | 0 | | AF | | |
| 1,380 | Cypress: MisU | S | 2,390 | 14 | 98 | 4 | 0 | | AF | | |
| 110 | Aux Vases: MisU | S | 2,715 | 8 | 12 | 5 | 1 | | AF | | |
| 20 | Ohara: MisL | L | 2,795 | 5 | 1 | 0 | 0 | | AF | | |
| 20 | Rosiclare: MisL | L | 2,790 | 7 | 1 | 0 | 0 | | AF | | |
| 140 | McClosky: MisL | L | 2,800 | 8 | 4 | 0 | 0 | | AF | | |
| | [1] | | | | 43 | 7 | 0 | | | | |
| 2,900 | | | | | 238 | 30 | 1 | 205 | T | MisL | 3,094 |
| 40 | Pennsylvanian: Pen | S | 925 | 8 | 4 | 0 | 0 | | NL | | |
| 40 | Palestine: MisU | S | 1,765 | 13 | 3 | 0 | 0 | | NL | | |
| 90 | Waltersburg: MisU | S | 2,080 | 10 | 7 | 1 | 0 | | TL | | |
| 760 | Tar Springs: MisU | S | 2,140 | 8 | 46 | 1 | 0 | | TL | | |
| 190 | Hardinsburg: MisU | S | 2,300 | 10 | 7 | 0 | 0 | | TL | | |
| 1,220 | Cypress: MisU | S | 2,475 | 10 | 78 | 13 | 0 | | T | | |
| 20 | Renault: MisU | L | 2,775 | 7 | 1 | 0 | 0 | | T | | |
| 470 | Aux Vases: MisU | S | 2,790 | 15 | 34 | 10 | 1 | | TL | | |
| 80 | Ohara: MisL | L | 2,815 | 12 | 1 | 0 | 0 | | TC | | |
| 40 | Rosiclare: MisL | L | 2,815 | 8 | 1 | 0 | 0 | | TC | | |
| 280 | McClosky: MisL | L | 2,940 | 6 | 7 | 0 | 0 | | TC | | |
| | [1] | | | | 49 | 5 | 0 | | | | |
| 10 | Bethel: MisU | S | 2,420 | 5 | 1 | 0 | 0 | 1 | x | MisL | 2,723 |
| 2,900 | | | | | 220 | 8 | 1 | 179 | A | Dev | 4,227 |
| 10 | Tar Springs: MisU[28] | S | 1,890 | 9 | 0 | 0 | 0 | | AL | | |
| 470 | Cypress: MisU | S | 2,125 | 15 | 27 | 0 | 0 | | A | | |
| 30 | Paint Creek: MisU[28] | S | 2,255 | 10 | 0 | 0 | 0 | | AL | | |
| 810 | Bethel: MisU | S | 2,290 | 12 | 29 | 1 | 0 | | A | | |
| 10 | Renault: MisU | L | 2,320 | x | 0 | 0 | 0 | | AC | | |
| 1,420 | Aux Vases: MisU | S | 2,325 | 10 | 76 | 1 | 0 | | A | | |
| 820 | Rosiclare: MisL | LS | 2,400 | 7 | 18 | 6 | 1 | | A | | |
| 700 | McClosky: MisL | OL | 2,435 | 10 | 16 | 0 | 0 | | A | | |
| | [1] | | | | 54 | 0 | 0 | | | | |
| 200 | | | | | 15 | 0 | 1 | 13 | A | Dev | 4,325 |
| 120 | Bethel: MisU | S | 2,490 | 10 | 9 | 0 | 1 | | AL | | |
| 100 | Rosiclare: MisL | L | 2,590 | 6 | 4 | 0 | 0 | | AC | | |
| 40 | McClosky: MisL | L | 2,650 | 3 | 1 | 0 | 0 | | AC | | |
| | [1] | | | | 1 | 0 | 0 | | | | |
| 20 | McClosky: MisL | L | 2,495 | 11 | 1 | 0 | 0 | 0 | MC | MisL | 2,613 |
| 1,120 | | | | | 119 | 15 | 2 | 99 | A | Dev | 3,412 |
| 10 | Barlow: MisU[23] | L | 1,525 | 3 | 0 | 0 | 0 | | AC | | |
| 280 | Cypress: MisU | S | 1,380 | 12 | 25 | 12 | 0 | | A | | |
| 870 | Bethel: MisU | S | 1,535 | 12 | 82 | 0 | 2 | | A | | |
| 280 | Clear Creek: Dev | L | 3,090 | 12 | 10 | 3 | 0 | | A | | |
| | [1] | | | | 2 | 0 | 0 | | | | |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 745 | Irvington East: Jefferson | 1951 | 0 | 65,000 | 0 | 72,000 |
| 746 | | | 0 | 2,000 | 0 | 9,000 |
| 747 | | | 0 | x | 0 | x |
| 748 | | | 0 | x | 0 | x |
| 749 | | | | | | |
| 750 | Irvington North: Washington | 1953 | 0 | 134,000 | 0 | 360,000 |
| 751 | | | 0 | x | 0 | x |
| 752 | | | 0 | x | 0 | x |
| 753 | Iuka: Marion | 1947 | 0 | 306,000 | 0 | 462,000 |
| 754 | | | 0 | x | 0 | x |
| 755 | | | 0 | x | 0 | x |
| 756 | | | 0 | x | 0 | x |
| 757 | | | 0 | x | 0 | x |
| 758 | | | | | | |
| 759 | Iuka West: Marion | 1955 | 0 | 1,000 | 0 | 1,000 |
| 760 | Johnsonville Consolidated: | 1940 | 223,000 | 871,000 | 233,000 | 29,467,000 |
| 761 | Wayne | | 0 | x | 0 | x |
| 762 | | | 0 | x | 0 | x |
| 763 | | | 0 | x | 0 | x |
| 764 | | | 0 | x | 0 | x |
| 765 | | | 223,000 | x | 233,000 | x |
| 766 | | | | | | |
| 767 | Johnsonville North: Wayne | 1943 | 0 | 1,000 | 0 | 46,000 |
| 768 | | | 0 | x | 0 | x |
| 769 | | | 0 | x | 0 | x |
| 770 | | | 0 | x | 0 | x |
| 771 | | | | | | |
| 772 | Johnsonville South: Wayne | 1942 | 0 | 38,000 | 0 | 463,000 |
| 773 | | | 0 | x | 0 | x |
| 774 | | | 0 | x | 0 | x |
| 775 | | | 0 | x | 0 | x |
| 776 | Johnsonville West: Wayne | 1942 | 0 | 51,000 | 0 | 489,000 |
| 777 | | | 0 | x | 0 | x |
| 778 | | | 0 | x | 0 | x |
| 779 | | | 0 | x | 0 | x |
| 780 | | | 0 | x | 0 | x |
| 781 | | | 0 | x | 0 | x |
| 782 | Junction: Gallatin | 1939 | 58,000 | 60,000 | 139,000 | 453,000 |
| 783 | | | 0 | 1,000 | 0 | 15,000 |
| 784 | | | 58,000 | 56,000 | 58,000 | 427,000 |
| 785 | | | 0 | 0 | 0 | 5,000 |
| 786 | | | 0 | x | 0 | x |
| 787 | | | 0 | x | 0 | x |
| 788 | | | | | | |
| 789 | Junction East: Gallatin | 1953 | 0 | 7,000 | 0 | 25,000 |
| 790 | Junction North: Gallatin | 1946 | 0 | 21,000 | 0 | 51,000 |
| 791 | | | 0 | 2,000 | 0 | 21,000 |
| 792 | | | 0 | x | 0 | x |
| 793 | | | 0 | 5,000 | 0 | 16,000 |
| 794 | | | 0 | x | 0 | x |
| 795 | Junction City South: Marion | 1952 | 0 | 3,000 | 0 | 4,000 |
| 796 | Keensburg East: Wabash[77] | 1939 | 0 | 0 | 0 | 9,000 |
| 797 | | | 0 | 0 | 0 | x |
| 798 | | | 0 | 0 | 0 | x |
| 799 | Keensburg South: Wabash | 1944 | 8,000 | 50,000 | 9,000 | 458,000 |
| 800 | | | 0 | x | 0 | x |
| 801 | | | 8,000 | x | 9,000 | x |
| 802 | | | 0 | 1,000 | 0 | 65,000 |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1955 | | | | | |
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | Completed | Abandoned | Producing end of year | | Name | Depth of hole (ft.) |
| 200 | | | | | 20 | 16 | 0 | 20 | x | MisL | 2,222 |
| 40 | Pennsylvanian: Pen | S | 1,030 | 15 | 4 | 0 | 0 | | x | | |
| 60 | Cypress: MisU | S | 1,750 | 15 | 4 | 4 | 0 | | x | | |
| 120 | Bethel: MisU | S | 1,950 | x | 10 | 10 | 0 | | x | | |
| | 1 | | | | 2 | 2 | 0 | | | | |
| 250 | | | | | 25 | 3 | 0 | 25 | A | Ord | 4,334 |
| 30 | Cypress: MisU | S | 1,340 | 16 | 3 | 3 | 0 | | AL | | |
| 220 | Bethel: MisU | S | 1,470 | 6 | 22 | 0 | 0 | | AL | | |
| 760 | | | | | 38 | 19 | 0 | 36 | M | MisL | 2,911 |
| 120 | Ohara: MisL | L | 2,650 | 5 | 1 | 1 | 0 | | MC | | |
| 100 | Rosiclare: MisL[28] | L | 2,660 | 15 | 0 | 0 | 0 | | MC | | |
| 600 | McClosky: MisL | L | 2,750 | 10 | 17 | 6 | 0 | | MC | | |
| 300 | St. Louis: MisL | L | 2,775 | 5 | 6 | 3 | 0 | | MC | | |
| | 1 | | | | 14 | 9 | 0 | | | | |
| 20 | McClosky: MisL | L | 2,700 | 5 | 1 | 1 | 0 | 1 | x | MisL | 2,801 |
| 8,900 | | | | | 404 | 6 | 2 | 327 | A | Dev | 5,198 |
| 30 | Bethel: MisU[25] | S | 2,950 | 12 | 0 | 0 | 0 | | AL | | |
| 2,400 | Aux Vases: MisU | S | 3,020 | 20 | 85 | 4 | 0 | | AL | | |
| 600 | Ohara: MisL | OL | 3,120 | 10 | 6 | 0 | 0 | | AC | | |
| 120 | Rosiclare: MisL | OL | 3,150 | 8 | 5 | 0 | 0 | | AC | | |
| 8,200 | McClosky: MisL | OL | 3,170 | 15 | 271 | 2 | 2 | | AC | | |
| | 1 | | | | 37 | 0 | 0 | | | | |
| 80 | | | | | 3 | 2 | 0 | 3 | A | MisL | 3,335 |
| 40 | Ohara: MisL[28] | OL | 3,190 | 3 | 0 | 0 | 0 | | AC | | |
| 40 | Rosiclare: MisL | L | 3,220 | 8 | 2 | 2 | 0 | | AC | | |
| 40 | McClosky: MisL[28] | OL | 3,250 | 3 | 0 | 0 | 0 | | AC | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 440 | | | | | 33 | 1 | 0 | 25 | A | MisL | 3,300 |
| 270 | Aux Vases: MisU | S | 3,060 | 15 | 26 | 1 | 0 | | A | | |
| 20 | Rosiclare: MisL | L | 3,160 | 4 | 1 | 0 | 0 | | AC | | |
| 160 | McClosky: MisL | L | 3,200 | 5 | 6 | 0 | 0 | | AC | | |
| 370 | | | | | 28 | 4 | 1 | 18 | M | MisL | 3,251 |
| 10 | Bethel: MisU | S | 2,925 | 7 | 1 | 0 | 0 | | ML | | |
| 170 | Aux Vases: MisU | S | 2,900 | 6 | 17 | 0 | 0 | | ML | | |
| 60 | Ohara: MisL | L | 2,930 | 6 | 3 | 1 | 1 | | MC | | |
| 20 | Rosiclare: MisL | L | 3,015 | 4 | 1 | 0 | 0 | | MC | | |
| 120 | McClosky: MisL | L | 3,100 | 7 | 6 | 0 | 0 | | MC | | |
| 210 | | | | | 21 | 2 | 1 | 18 | M | MisL | 2,818 |
| 30 | Pennsylvanian: Pen | S | 1,150 | 7 | 3 | 0 | 1 | | ML | | |
| 140 | Waltersburg: MisU | S | 1,750 | 14 | 15 | 1 | 0 | | ML | | |
| 10 | Hardinsburg: MisU | S | 2,120 | 5 | 1 | 0 | 0 | | ML | | |
| 20 | Cypress: MisU | S | 2,275 | 12 | 1 | 0 | 0 | | ML | | |
| 20 | McClosky: MisL[25] | L | 2,730 | 9 | 0 | 0 | 0 | | MC | | |
| | 1 | | | | 1 | 1 | 0 | | | | |
| 20 | Waltersburg: MisU | S | 2,000 | 14 | 2 | 0 | 0 | 2 | x | MisL | 2,970 |
| 150 | | | | | 13 | 5 | 0 | 11 | M | MisL | 2,983 |
| 50 | Pennsylvanian: Pen | S | 1,565 | 16 | 5 | 0 | 0 | | ML | | |
| 30 | Cypress: MisU | S | 2,450 | 10 | 3 | 2 | 0 | | ML | | |
| 20 | Aux Vases: MisU | S | 2,725 | 4 | 2 | 0 | 0 | | ML | | |
| 60 | Rosiclare: MisL | L | 2,860 | 6 | 3 | 3 | 0 | | MC | | |
| 10 | Wilson: Pen | S | 685 | 8 | 1 | 0 | 0 | | NL | MisL | 2,007 |
| 120 | | | | | 3 | 0 | 0 | 0 | M | MisL | 2,802 |
| 40 | Ohara: MisL | L | 2,705 | 10 | 1 | 0 | 0 | | MC | | |
| 80 | McClosky: MisL | L | 2,710 | 6 | 2 | 0 | 0 | | MC | | |
| 230 | | | | | 18 | 3 | 0 | 16 | A | MisL | 2,879 |
| 60 | Pennsylvanian: Pen | S | 1,145 | 15 | 6 | 3 | 0 | | AL | | |
| 130 | Cypress: MisU | S | 2,385 | 9 | 11 | 0 | 0 | | AL | | |
| 40 | Ohara: MisL | L | 2,715 | 10 | 1 | 0 | 0 | | AC | | |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 803 | Keenville: Wayne | 1945 | 69,000 | 112,000 | 100,000 | 1,398,000 |
| 804 | | | 69,000 | x | 100,000 | x |
| 805 | | | 0 | x | 0 | x |
| 806 | | | 0 | x | 0 | x |
| 807 | | | 0 | x | 0 | x |
| 808 | | | | | | |
| 809 | Keenville East: Wayne | 1951 | 0 | 6,000 | 0 | 42,000 |
| 810 | Kell: Jefferson[78] | 1942 | 0 | 0 | 0 | 3,000 |
| 811 | Kenner: Clay | 1942 | 0 | 30,000 | 0 | 880,000 |
| 812 | | | 0 | 0 | 0 | x |
| 813 | | | 0 | x | 0 | x |
| 814 | | | 0 | x | 0 | x |
| 815 | | | 0 | 0 | 0 | x |
| 816 | | | 0 | 0 | 0 | x |
| 817 | | | | | | |
| 818 | Kenner North: Clay | 1947 | 0 | 28,000 | 0 | 766,000 |
| 819 | | | 0 | x | 0 | x |
| 820 | | | 0 | x | 0 | x |
| 821 | Kenner South: Clay[79] | 1950 | 0 | 0 | 0 | 3,000 |
| 822 | Kenner West: Clay | 1947 | 85,000 | 131,000 | 99,000 | 1,479,000 |
| 823 | | | 85,000 | x | 99,000 | x |
| 824 | | | 0 | x | 0 | x |
| 825 | | | 0 | x | 0 | x |
| 826 | | | | | | |
| 827 | Keyesport: Clinton | 1949 | 0 | 14,000 | 0 | 72,000 |
| 828 | Kincaid: Christian | 1955 | 0 | 210,000 | 0 | 210,000 |
| 829 | Kincaid South: Christian | 1955 | 0 | 75,000 | 0 | 75,000 |
| 830 | King: Jefferson | 1942 | 0 | 352,000 | 0 | 2,218,000 |
| 831 | | | 0 | x | 0 | x |
| 832 | | | 0 | x | 0 | x |
| 833 | | | 0 | x | 0 | x |
| 834 | | | 0 | x | 0 | x |
| 835 | | | | | | |
| 836 | Kinmundy: Marion | 1950 | 0 | 2,000 | 0 | 17,000 |
| 837 | Kinmundy North: Marion[80] | 1953 | 0 | 0 | 0 | 500 |
| 838 | LaClede: Fayette | 1943 | 0 | 1,000 | 0 | 16,000 |
| 839 | Lakewood: Shelby | 1941 | 0 | 11,000 | 0 | 225,000 |
| 840 | | | 0 | x | 0 | x |
| 841 | | | 0 | x | 0 | x |
| 842 | Lancaster: Wabash, Lawrence | 1940 | 0 | 43,000 | 0 | 2,655,000 |
| 843 | | | 0 | x | 0 | x |
| 844 | | | 0 | x | 0 | x |
| 845 | | | 0 | x | 0 | x |
| 846 | | | 0 | x | 0 | x |
| 847 | | | | | | |
| 848 | Lancaster Central: Wabash | 1946 | 0 | 6,000 | 0 | 356,000 |
| 849 | | | 0 | x | 0 | x |
| 850 | | | 0 | x | 0 | x |
| 851 | | | 0 | x | 0 | x |
| 852 | | | | | | |
| 853 | Lancaster East: Wabash | 1944 | 0 | 2,500 | 0 | 34,000 |
| 854 | | | 0 | 2,000 | 0 | 14,500 |
| 855 | | | 0 | 500 | 0 | 20,000 |
| 856 | Lancaster South: Wabash | 1946 | 9,000 | 31,000 | 9,000 | 209,000 |
| 857 | | | 9,000 | 31,000 | 9,000 | 193,000 |
| 858 | | | 0 | 0 | 0 | 500 |
| 859 | | | 0 | 0 | 0 | 16,000 |
| 860 | Lawrence West: Lawrence | 1952 | 0 | 71,000 | 0 | 290,000 |

(continued)

| Total proved area (acres) | Producing Formation: Name: Age[a] | Producing Formation: Character[b] | Producing Formation: Depth to top (ft.) | Producing Formation: Av. thickness (ft.) | Number of Wells: Completed to end of 1955 | Number of Wells: 1955: Completed | Number of Wells: 1955: Abandoned | Number of Wells: 1955: Producing end of year | Structure[c] | Deepest Zone Tested: Name | Deepest Zone Tested: Depth of hole (ft.) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 720 | | | | | 53 | 0 | 0 | 45 | A | MisL | 3,267 |
| 250 | Aux Vases: MisU | S | 2,960 | 20 | 25 | 0 | 0 | | AL | | |
| 80 | Ohara: MisL | L | 3,050 | 8 | 2 | 0 | 0 | | AC | | |
| 20 | Rosiclare: MisL | L | 3,060 | 10 | 1 | 0 | 0 | | AC | | |
| 400 | McClosky: MisL | L | 3,100 | 7 | 23 | 0 | 0 | | AC | | |
| | 1 | | | | 2 | 0 | 0 | | | | |
| 60 | McClosky: MisL | L | 3,140 | 10 | 3 | 0 | 0 | 3 | x | MisL | 3,220 |
| 40 | McClosky: MisL | L | 2,625 | 6 | 1 | 0 | 0 | 0 | A | MisL | 2,720 |
| 640 | | | | | 46 | 0 | 0 | 40 | A | MisL | 3,082 |
| 10 | Tar Springs: MisU | S | 2,200 | 7 | 1 | 0 | 0 | | AL | | |
| 590 | Bethel: MisU | S | 2,690 | 10 | 42 | 0 | 0 | | A | | |
| 10 | Aux Vases: MisU[28] | S | 2,835 | 9 | 0 | 0 | 0 | | AL | | |
| 20 | Rosiclare: MisL | LS | 2,875 | 5 | 1 | 0 | 0 | | AC | | |
| 20 | McClosky: MisL | L | 2,930 | 7 | 1 | 0 | 0 | | AC | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 300 | | | | | 32 | 0 | 0 | 28 | A | MisL | 3,076 |
| 280 | Bethel: MisU | S | 2,755 | 8 | 27 | 0 | 0 | | A | | |
| 120 | McClosky: MisL | L | 2,970 | 6 | 5 | 0 | 0 | | AC | | |
| 20 | McClosky: MisL | L | 2,870 | 10 | 1 | 0 | 0 | 0 | AC | MisL | 3,000 |
| 310 | | | | | 30 | 0 | 0 | 26 | A | Dev | 4,800 |
| 300 | Cypress: MisU | S | 2,600 | 26 | 14 | 0 | 0 | | A | | |
| 200 | Bethel: MisU | S | 2,705 | 9 | 2 | 0 | 0 | | A | | |
| 40 | McClosky: MisL[28] | L | 2,870 | 4 | 0 | 0 | 0 | | A | | |
| | 1 | | | | 14 | 0 | 0 | | | | |
| 140 | Bethel: MisU | S | 1,180 | 8 | 13 | 0 | 0 | 8 | AL | MisL | 1,358 |
| 20 | Hibbard: Dev | DS | 1,780 | 19 | 1 | 1 | 0 | 1 | MU | Dev | 1,804 |
| 200 | Hibbard: Dev | DS | 1,815 | 12 | 10 | 10 | 0 | 10 | MU | Dev | 1,855 |
| 1,100 | | | | | 95 | 17 | 5 | 78 | A | Dev | 4,759 |
| 1,000 | Aux Vases: MisU | S | 2,725 | 15 | 77 | 17 | 4 | | AL | | |
| 160 | Ohara: MisL | L | 2,765 | 10 | 1 | 0 | 0 | | AC | | |
| 140 | Rosiclare: MisL | LS | 2,815 | 10 | 4 | 0 | 1 | | AC | | |
| 120 | McClosky: MisL | L | 2,840 | 5 | 2 | 0 | 0 | | AC | | |
| | 1 | | | | 9 | 0 | 0 | | | | |
| 20 | Bethel: MisU | S | 1,915 | 3 | 2 | 0 | 0 | 2 | A | MisL | 2,389 |
| 10 | Bethel: MisU | S | 2,040 | 6 | 1 | 0 | 0 | 0 | x | MisL | 2,301 |
| 30 | Bethel: MisU | S | 2,335 | 15 | 4 | 0 | 0 | 2 | A | MisL | 2,608 |
| 130 | | | | | 12 | 0 | 0 | 11 | A | MisL | 1,794 |
| 80 | Bethel: MisU | S | 1,690 | 7 | 7 | 0 | 0 | | AL | | |
| 50 | Aux Vases: MisU | S | 1,720 | 8 | 5 | 0 | 0 | | AL | | |
| 1,400 | | | | | 100 | 0 | 0 | 58 | A | MisL | 2,908 |
| 10 | Paint Creek: MisU | S | 2,530 | 5 | 1 | 0 | 0 | | AL | | |
| 880 | Bethel: MisU | S | 2,540 | 14 | 67 | 0 | 0 | | AL | | |
| 40 | Ohara: MisL | L | 2,670 | 10 | 1 | 0 | 0 | | AC | | |
| 500 | McClosky: MisL | L | 2,690 | 7 | 30 | 0 | 0 | | AC | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 300 | | | | | 14 | 0 | 0 | 5 | M | MisL | 2,888 |
| 100 | Ohara: MisL | L | 2,750 | 7 | 2 | 0 | 0 | | MC | | |
| 260 | Rosiclare: MisL | L | 2,810 | 7 | 8 | 0 | 0 | | MC | | |
| 40 | McClosky: MisL[28] | L | 2,815 | 8 | 0 | 0 | 0 | | MC | | |
| | 1 | | | | 4 | 0 | 0 | | | | |
| 50 | | | | | 4 | 0 | 0 | 3 | M | MisL | 2,750 |
| 30 | Biehl: Pen | S | 1,745 | 10 | 3 | 0 | 0 | | ML | | |
| 20 | Rosiclare: MisL | L | 2,660 | 6 | 1 | 0 | 0 | | MC | | |
| 110 | | | | | 13 | 1 | 0 | 11 | M | MisL | 2,817 |
| 70 | Bethel: MisU | S | 2,520 | 6 | 11 | 1 | 0 | | ML | | |
| 20 | Ohara: MisL | L | 2,670 | 6 | 1 | 0 | 0 | | MC | | |
| 20 | McClosky: MisL | L | 2,720 | 12 | 1 | 0 | 0 | | MC | | |
| 270 | | | | | 25 | 7 | 1 | 23 | x | MisL | 2,324 |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 861 | | | 0 | x | 0 | x |
| 862 | | | 0 | x | 0 | x |
| 863 | | | 0 | 500 | 0 | 2,500 |
| 864 | | | 0 | x | 0 | x |
| 865 | | | | | | |
| 866 | Lexington: Wabash | 1947 | 0 | 11,000 | 0 | 359,000 |
| 867 | | | 0 | 2,000 | 0 | 8,000 |
| 868 | | | 0 | 9,000 | 0 | 351,000 |
| 869 | Lexington North: Wabash | 1951 | 0 | 500 | 0 | 6,000 |
| 870 | Lillyville: Cumberland, Effingham | 1946 | 0 | 13,000 | 0 | 321,000 |
| 871 | Livingston: Madison | 1948 | 1,000 | 51,000 | 1,000 | 337,000 |
| 872 | Livingston South: Madison[5] | 1950 | 0 | 17,000 | 0 | 118,000 |
| 873 | Locust Grove: Wayne | 1951 | 0 | 12,000 | 0 | 106,000 |
| 874 | | | 0 | x | 0 | x |
| 875 | | | 0 | x | 0 | x |
| 876 | | | 0 | x | 0 | x |
| 877 | | | | | | |
| 878 | Locust Grove South: Wayne | 1953 | 0 | 3,000 | 0 | 8,000 |
| 879 | Long Branch: Saline, Hamilton | 1950 | 0 | 19,000 | 0 | 125,000 |
| 880 | | | 0 | 7,000 | 0 | 63,000 |
| 881 | | | 0 | x | 0 | x |
| 882 | | | 0 | x | 0 | x |
| 883 | | | 0 | x | 0 | x |
| 884 | | | | | | |
| 885 | Long Branch South: Saline | 1955 | 0 | 2,000 | 0 | 2,000 |
| 886 | Louden: Fayette, Effingham[5] | 1937 | 4,027,000 | 7,709,000 | 7,446,000 | 188,607,000 |
| 887 | | | x | x | x | x |
| 888 | | | x | x | x | x |
| 889 | | | x | x | x | x |
| 890 | | | 0 | x | 0 | x |
| 891 | | | 0 | x | 0 | x |
| 892 | | | 0 | x | 0 | x |
| 893 | | | 0 | x | 0 | x |
| 894 | | | 0 | x | 0 | x |
| 895 | | | | | | |
| 896 | Louisville North: Clay | 1953 | 0 | 500 | 0 | 2,000 |
| 897 | Lynchburg: Jefferson | 1951 | 0 | 34,000 | 0 | 187,000 |
| 898 | McKinley: Washington | 1940 | 0 | 8,000 | 0 | 420,000 |
| 899 | | | 0 | x | 0 | x |
| 900 | | | 0 | x | 0 | x |
| 901 | Maple Grove Consolidated: | 1943 | 30,000 | 143,000 | 68,000 | 3,446,000 |
| 902 | Edwards, Wayne | | 0 | x | 0 | x |
| 903 | | | 0 | x | 0 | x |
| 904 | | | 0 | x | 0 | x |
| 905 | | | 30,000 | x | 68,000 | x |
| 906 | | | | | | |
| 907 | Maple Grove South: Edwards[81] | 1945 | 0 | 0 | 0 | 9,000 |
| 908 | Marcoe: Jefferson[82] | 1938 | 0 | 0 | 0 | 13,000 |
| 909 | Marine: Madison | 1943 | 0 | 349,000 | 0 | 9,271,000 |
| 910 | Marion: Williamson | 1950 | 0 | 0 | 0 | 500 |
| 911 | Markham City: Jefferson | 1942 | 0 | 26,000 | 0 | 1,218,000 |
| 912 | Markham City North: | 1943 | 0 | 36,000 | 0 | 941,000 |
| 913 | Jefferson, Wayne | | 0 | x | 0 | x |
| 914 | | | 0 | x | 0 | x |
| 915 | Markham City West: Jefferson | 1945 | 14,000 | 56,000 | 18,000 | 1,513,000 |
| 916 | | | 14,000 | x | 18,000 | x |
| 917 | | | 0 | x | 0 | x |
| 918 | | | | | | |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1955 | | | | | |
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | Completed | Abandoned | Producing end of year | | Name | Depth of hole (ft.) |
| 10 | Paint Creek: MisU[2s] | S | 2,040 | 4 | 0 | 0 | 0 | | x | | |
| 240 | Bethel: MisU | S | 2,050 | 15 | 21 | 7 | 1 | | x | | |
| 10 | Aux Vases: MisU | S | 2,110 | 8 | 1 | 0 | 0 | | x | | |
| 40 | McClosky: MisL | L | 2,225 | 11 | 1 | 0 | 0 | | x | | |
| | [1] | | | | 2 | 0 | 0 | | | | |
| 200 | | | | | 11 | 0 | 0 | 4 | A | MisL | 3,031 |
| 10 | Cypress: MisU | S | 2,585 | 10 | 1 | 0 | 0 | | AL | | |
| 200 | McClosky: MisL | L | 2,970 | 8 | 10 | 0 | 0 | | AC | | |
| 40 | Ste. Genevieve: MisL | L | 2,915 | 4 | 2 | 0 | 0 | 1 | MC | MisL | 3,045 |
| 160 | McClosky: MisL | L | 2,425 | 10 | 8 | 0 | 0 | 8 | A | Dev | 4,000 |
| 380 | Pennsylvanian: Pen | S | 535 | 15 | 48 | 0 | 1 | 38 | ML | Ord | 2,378 |
| 330 | Pennsylvanian: Pen | S | 530 | 7 | 35 | 4 | 1 | 29 | ML | MisL | 845 |
| 80 | | | | | 6 | 0 | 0 | 6 | x | MisL | 3,420 |
| 40 | Aux Vases: MisU | S | 3,215 | 10 | 4 | 0 | 0 | | x | | |
| 40 | Ohara: MisL | L | 3,240 | 4 | 1 | 0 | 0 | | x | | |
| 20 | McClosky: MisL[2s] | L | 3,280 | 6 | 0 | 0 | 0 | | x | | |
| | [1] | | | | 1 | 0 | 0 | | | | |
| 20 | Rosiclare: MisL | L | 3,300 | 10 | 1 | 0 | 0 | 1 | x | MisL | 3,394 |
| 100 | | | | | 8 | 0 | 1 | 5 | A | MisL | 3,389 |
| 20 | Palestine: MisU | S | 2,070 | 8 | 2 | 0 | 0 | | AL | | |
| 30 | Cypress: MisU | S | 2,745 | 13 | 2 | 0 | 1 | | AL | | |
| 20 | Aux Vases: MisU | S | 3,095 | 9 | 1 | 0 | 0 | | AL | | |
| 40 | McClosky: MisL | L | 3,220 | 5 | 2 | 0 | 0 | | AC | | |
| | [1] | | | | 1 | 0 | 0 | | | | |
| 10 | Cypress: MisU | S | 2,660 | 8 | 1 | 1 | 0 | 1 | x | MisL | 3,210 |
| 23,200 | | | | | 2,171 | 4 | 2 | 1,983 | A | St. Peter | 4,680 |
| 23,000 | Cypress: MisU | S | 1,500 | 30 | 1,196 | 3 | 0 | | A | | |
| 4,000 | Paint Creek: MisU | S | 1,540 | 15 | 172 | 0 | 0 | | A | | |
| 9,000 | Bethel: MisU | S | 1,550 | 10 | 428 | 0 | 2 | | A | | |
| 50 | Aux Vases: MisU | S | 1,600 | 6 | 1 | 0 | 0 | | AL | | |
| 20 | McClosky: MisL | L | 1,785 | 4 | 1 | 1 | 0 | | AC | | |
| 20 | Carper: MisL[2s] | S | 2,830 | 9 | 0 | 0 | 0 | | AL | | |
| 2,800 | Geneva: Dev | D | 3,000 | 15 | 85 | 0 | 0 | | A | | |
| 20 | Trenton: Ord[2s] | L | 3,905 | 12 | 0 | 0 | 0 | | A | | |
| | [1] | | | | 288 | 0 | 0 | | | | |
| 20 | Aux Vases: MisU | S | 2,755 | 10 | 2 | 1 | 1 | 1 | ML | MisL | 2,977 |
| 40 | McClosky: MisL | L | 3,045 | 8 | 2 | 0 | 0 | 2 | AC | MisL | 3,169 |
| 220 | | | | | 17 | 0 | 0 | 7 | D | Ord | 3,983 |
| 70 | Bethel: MisU | S | 1,000 | 5 | 7 | 0 | 0 | | D | | |
| 200 | Silurian: Sil | L | 2,240 | 40 | 10 | 0 | 0 | | R | | |
| 2,160 | | | | | 97 | 4 | 3 | 71 | A | MisL | 3,385 |
| 220 | Aux Vases: MisU | S | 3,145 | 15 | 15 | 2 | 1 | | A | | |
| 60 | Ohara: MisL | L | 3,230 | 3 | 1 | 0 | 0 | | AC | | |
| 20 | Rosiclare: MisL[2s] | L | 3,250 | 1 | 0 | 0 | 0 | | AC | | |
| 2,040 | McClosky- MisL | L | 3,260 | 6 | 76 | 2 | 2 | | A | | |
| | [1] | | | | 5 | 0 | 0 | | | | |
| 20 | McClosky: MisL | L | 3,250 | 10 | 1 | 0 | 0 | 0 | MC | MisL | 3,358 |
| 40 | McClosky: MisL | L | 2,745 | 15 | 2 | 0 | 0 | 0 | MC | MisL | 3,066 |
| 3,100 | Devonian-Silurian | L | 1,740 | 5 | 146 | 0 | 0 | 135 | R | Ord | 2,619 |
| 10 | Aux Vases: MisU | S | 2,385 | 5 | 1 | 0 | 0 | 0 | x | MisL | 2,560 |
| 760 | Ste. Genevieve: MisL | L | 3,070 | 10 | 19 | 0 | 0 | 11 | A | MisL | 3,215 |
| 500 | | | | | 18 | 0 | 1 | 9 | A | MisL | 3,169 |
| 80 | Aux Vases: MisU | S | 2,950 | 6 | 4 | 0 | 1 | | AL | | |
| 500 | McClosky: MisL | L | 3,075 | 8 | 14 | 0 | 0 | | AC | | |
| 600 | | | | | 34 | 0 | 1 | 29 | A | MisL | 3,182 |
| 320 | Aux Vases: MisU | S | 2,905 | 15 | 16 | 0 | 0 | | AL | | |
| 360 | McClosky: MisL | L | 3,035 | 7 | 15 | 0 | 1 | | AC | | |
| | [1] | | | | 3 | 0 | 0 | | | | |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 919 | Mason: Effingham | 1940 | 0 | 2,000 | 0 | 226,000 |
| 920 | | | 0 | x | 0 | x |
| 921 | | | 0 | x | 0 | x |
| 922 | Mason North: Effingham | 1951 | 0 | 23,000 | 0 | 158,000 |
| 923 | | | 0 | x | 0 | x |
| 924 | | | 0 | x | 0 | x |
| 925 | | | 0 | x | 0 | x |
| 926 | | | 0 | x | 0 | x |
| 927 | | | | | | |
| 928 | Massilon: Wayne, Edwards[83] | 1946 | 0 | 0 | 0 | 91,000 |
| 929 | Massilon South: Edwards[84] | 1947 | 0 | 0 | 0 | 500 |
| 930 | Mattoon: Coles | 1939 | 136,000 | 462,000 | 220,000 | 11,613,000 |
| 931 | | | x | x | x | x |
| 932 | | | 0 | x | 0 | x |
| 933 | | | x | x | x | x |
| 934 | | | 0 | x | 0 | x |
| 935 | | | 0 | x | 0 | x |
| 936 | | | | | | |
| 937 | Maunie East: White[85] | 1951 | 0 | 15,000 | 0 | 19,000 |
| 938 | Maunie North Consolidated: | 1941 | 0 | 758,000 | 0 | 2,014,000 |
| 939 | White[86] | | 0 | x | 0 | x |
| 940 | | | 0 | x | 0 | x |
| 941 | | | 0 | x | 0 | x |
| 942 | | | 0 | x | 0 | x |
| 943 | | | 0 | x | 0 | x |
| 944 | | | 0 | x | 0 | x |
| 945 | | | 0 | x | 0 | x |
| 946 | | | 0 | x | 0 | x |
| 947 | | | 0 | x | 0 | x |
| 948 | | | 0 | x | 0 | x |
| 949 | | | | | | |
| 950 | Maunie South: White | 1941 | 546,000 | 620,000 | 2,029,000 | 5,217,000 |
| 951 | | | 0 | x | 0 | x |
| 952 | | | 0 | x | 0 | x |
| 953 | | | 532,000 | x | 1,183,000 | x |
| 954 | | | 0 | x | 0 | x |
| 955 | | | 14,000 | x | 846,000 | x |
| 956 | | | 0 | x | 0 | x |
| 957 | | | 0 | x | 0 | x |
| 958 | | | 0 | x | 0 | x |
| 959 | | | 0 | x | 0 | x |
| 960 | | | 0 | x | 0 | x |
| 961 | | | | | | |
| 962 | Mayberry: Wayne | 1941 | 0 | 4,000 | 0 | 312,000 |
| 963 | Mayberry North: Wayne[87] | 1948 | 0 | 0 | 0 | 1,000 |
| 964 | Melrose: Clark | 1953 | 0 | 1,000 | 0 | 4,000 |
| 965 | Melrose South: Clark | 1953 | 0 | 0 | 0 | 0 |
| 966 | Miletus: Marion | 1947 | 0 | 15,000 | 0 | 225,000 |
| 967 | | | 0 | x | 0 | x |
| 968 | | | 0 | x | 0 | x |
| 969 | | | 0 | x | 0 | x |
| 970 | | | | | | |
| 971 | Mill Shoals: White, Hamilton, | 1939 | 86,000 | 458,000 | 224,000 | 7,437,000 |
| 972 | Wayne | | 86,000 | x | 224,000 | x |
| 973 | | | 0 | x | 0 | x |
| 974 | | | 0 | x | 0 | x |
| 975 | | | 0 | x | 0 | x |
| 976 | | | | | | |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1955 | | | | | |
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | Completed | Abandoned | Producing end of year | | Name | Depth of hole (ft.) |
| 140 | | | | | 12 | 0 | 0 | 3 | A | MisL | 2,584 |
| 10 | Bethel: MisU | S | 2,295 | 8 | 1 | 0 | 0 | | AL | | |
| 130 | McClosky: MisL | L | 2,500 | 6 | 11 | 0 | 0 | | AC | | |
| 120 | | | | | 10 | 0 | 0 | 10 | A | MisL | 2,553 |
| 100 | Bethel: MisU | S | 2,290 | 13 | 7 | 0 | 0 | | AL | | |
| 10 | Aux Vases: MisU[28] | S | 2,355 | 5 | 0 | 0 | 0 | | AL | | |
| 60 | Rosiclare: MisL | L | 2,390 | 18 | 2 | 0 | 0 | | AC | | |
| 20 | McClosky: MisL[28] | L | 2,475 | 5 | 0 | 0 | 0 | | AC | | |
| | [1] | | | | 1 | 0 | 0 | | | | |
| 120 | Ohara: MisL | L | 3,255 | 6 | 3 | 0 | 0 | 0 | MC | MisL | 3,472 |
| 20 | Ohara: MisL | L | 3,315 | 9 | 1 | 0 | 0 | 0 | MC | MisL | 3,391 |
| 5,110 | | | | | 423 | 3 | 0 | 362 | A | St. Peter | 4,915 |
| 2,000 | Cypress: MisU | S | 1,750 | 13 | 96 | 1 | 0 | | A | | |
| 200 | Aux Vases: MisU | S | 1,900 | 15 | 5 | 0 | 0 | | AL | | |
| 3,700 | Rosiclare: MisL | S | 1,950 | 12 | 217 | 1 | 0 | | A | | |
| 20 | McClosky: MisL | L | 2,010 | 5 | 1 | 0 | 0 | | AC | | |
| 10 | Carper: MisL | S | 2,950 | 10 | 1 | 1 | 0 | | A | | |
| | [1] | | | | 103 | 0 | 0 | | | | |
| 40 | Aux Vases: MisU | S | 2,870 | 20 | 4 | 3 | 0 | 3 | AF | MisL | 3,032 |
| 1,800 | | | | | 151 | 65 | 3 | 132 | A | MisL | 3,260 |
| 10 | Pennsylvanian: Pen | S | 1,320 | 20 | 1 | 0 | 0 | | AL | | |
| 100 | Waltersburg: MisU | S | 2,305 | 12 | 9 | 0 | 0 | | AL | | |
| 110 | Tar Springs: MisU | S | 2,350 | 10 | 8 | 1 | 0 | | AL | | |
| 10 | Hardinsburg: MisU[28] | S | 2,565 | 10 | 0 | 0 | 0 | | A | | |
| 40 | Paint Creek: MisU | S | 2,830 | 13 | 2 | 0 | 0 | | AL | | |
| 400 | Bethel: MisU | S | 2,820 | 13 | 22 | 0 | 0 | | AL | | |
| 840 | Aux Vases: MisU | S | 2,930 | 13 | 61 | 49 | 2 | | AL | | |
| 160 | Ohara: MisL | L | 2,995 | 4 | 5 | 2 | 0 | | AC | | |
| 340 | Rosiclare: MisL | L | 3,025 | 6 | 9 | 0 | 0 | | AC | | |
| 360 | McClosky: MisL | L | 3,035 | 10 | 11 | 1 | 1 | | AC | | |
| | [1] | | | | 20 | 12 | 0 | | | | |
| 1,450 | | | | | 136 | 5 | 5 | 107 | A | MisL | 3,160 |
| 70 | Bridgeport: Pen | S | 1,400 | 7 | 7 | 0 | 0 | | AL | | |
| 90 | Degonia: MisU | S | 1,900 | 10 | 6 | 0 | 0 | | AL | | |
| 480 | Palestine: MisU | S | 2,010 | 17 | 39 | 0 | 0 | | AL | | |
| 20 | Waltersburg: MisU | S | 2,210 | 19 | 2 | 0 | 0 | | AL | | |
| 480 | Tar Springs: MisU | S | 2,270 | 16 | 39 | 2 | 3 | | AF | | |
| 260 | Cypress: MisU | S | 2,590 | 10 | 22 | 1 | 1 | | AL | | |
| 10 | Bethel: MisU[28] | S | 2,735 | x | 0 | 0 | 0 | | AL | | |
| 120 | Aux Vases: MisU | S | 2,845 | 12 | 10 | 2 | 1 | | AL | | |
| 20 | Rosiclare: MisL[28] | L | 2,900 | 8 | 0 | 0 | 0 | | AC | | |
| 40 | McClosky: MisL | L | 2,920 | 6 | 1 | 0 | 0 | | AC | | |
| | [1] | | | | 10 | 0 | 0 | | | | |
| 240 | McClosky: MisL | L | 3,350 | 8 | 7 | 0 | 0 | 2 | AC | Dev | 5,377 |
| 20 | McClosky: MisL | L | 3,330 | 2 | 1 | 0 | 0 | 0 | x | MisL | 3,463 |
| 50 | Isabel: Pen | S | 840 | 10 | 5 | 1 | 0 | 5 | x | Pen | 878 |
| 10 | Isabel: Pen | S | 865 | 7 | 1 | 0 | 0 | 0 | x | Pen | 880 |
| 210 | | | | | 15 | 0 | 1 | 11 | A | Dev | 3,950 |
| 90 | Bethel: MisU | S | 2,140 | 7 | 6 | 1 | 0 | | A | | |
| 100 | Aux Vases: MisU | S | 2,200 | 7 | 5 | 0 | 0 | | A | | |
| 60 | McClosky: MisL | L | 2,350 | 5 | 1 | 0 | 1 | | A | | |
| | [1] | | | | 3 | 0 | 0 | | | | |
| 2,600 | | | | | 217 | 16 | 3 | 161 | A | MisL | 4,311 |
| 2,400 | Aux Vases: MisU | S | 3,245 | 11 | 167 | 13 | 2 | | A | | |
| 120 | Ohara: MisL | OL | 3,320 | 11 | 2 | 0 | 0 | | AC | | |
| 200 | Rosiclare: MisL | LS | 3,345 | 8 | 7 | 0 | 0 | | AC | | |
| 700 | McClosky: MisL | OL | 3,375 | 5 | 28 | 0 | 0 | | AC | | |
| | [1] | | | | 13 | 3 | 1 | | | | |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 977 | Mills Prairie: Edwards[88] | 1948 | 0 | 0 | 0 | 2,000 |
| 978 | Mills Prairie North: Edwards | 1953 | 0 | 1,000 | 0 | 5,000 |
| 979 | Mitchellsville: Saline | 1955 | 0 | 3,000 | 0 | 3,000 |
| 980 | | | 0 | x | 0 | x |
| 981 | | | 0 | 3,000 | 0 | 3,000 |
| 982 | Mt. Auburn Consolidated: Christian | 1943 | 0 | 345,000 | 0 | 598,000 |
| 983 | Mt. Carmel: Wabash | 1940 | 196,000 | 452,000 | 326,000 | 10,226,000 |
| 984 | | | 0 | x | 0 | x |
| 985 | | | 12,000 | x | 89,000 | x |
| 986 | | | 0 | x | 0 | x |
| 987 | | | 0 | x | 0 | x |
| 988 | | | 0 | x | 0 | x |
| 989 | | | 23,000 | x | 62,000 | x |
| 990 | | | 0 | x | 0 | x |
| 991 | | | 161,000 | x | 175,000 | x |
| 992 | | | 0 | x | 0 | x |
| 993 | | | 0 | x | 0 | x |
| 994 | | | 0 | x | 0 | x |
| 995 | | | 0 | x | 0 | x |
| 996 | | | 0 | x | 0 | x |
| 997 | | | | | | |
| 998 | Mt. Erie North: Wayne | 1944 | 0 | 32,000 | 0 | 353,000 |
| 999 | | | 0 | x | 0 | x |
| 1000 | | | 0 | x | 0 | x |
| 1001 | | | 0 | x | 0 | x |
| 1002 | Mt. Olive: Montgomery[5] | 1942 | 0 | x | 0 | x |
| 1003 | Mt. Vernon: Jefferson | 1943 | 0 | 13,000 | 0 | 304,000 |
| 1004 | | | 0 | 2,000 | 0 | x |
| 1005 | | | 0 | 0 | 0 | x |
| 1006 | | | 0 | 11,000 | 0 | x |
| 1007 | | | | | | |
| 1008 | Murdock: Douglas | 1955 | 0 | x | 0 | x |
| 1009 | Nason: Jefferson | 1943 | 0 | 2,000 | 0 | 23,000 |
| 1010 | New Bellair: Crawford[89] | 1942 | 0 | 0 | 0 | 10,000 |
| 1011 | | | 0 | 0 | 0 | 0 |
| 1012 | | | 0 | 0 | 0 | 10,000 |
| 1013 | New City: Sangamon | 1954 | 0 | 28,000 | 0 | 28,000 |
| 1014 | New Harmony Consolidated: | 1939 | 1,907,000 | 4,488,000 | 4,771,000 | 83,012,000 |
| 1015 | White, Wabash, Edwards[90] | | 0 | x | 0 | x |
| 1016 | | | 0 | x | 0 | x |
| 1017 | | | 0 | x | 0 | x |
| 1018 | | | 0 | x | 0 | x |
| 1019 | | | 0 | x | 0 | x |
| 1020 | | | 0 | x | 0 | x |
| 1021 | | | 0 | x | 0 | x |
| 1022 | | | 0 | x | 0 | x |
| 1023 | | | 1,093,000 | x | 2,259,000 | x |
| 1024 | | | 310,000 | x | 515,000 | x |
| 1025 | | | 62,000 | x | 218,000 | x |
| 1026 | | | 0 | x | 0 | x |
| 1027 | | | 330,000 | x | 1,450,000 | x |
| 1028 | | | 98,000 | x | 189,000 | x |
| 1029 | | | 0 | x | 0 | x |
| 1030 | | | 0 | x | 0 | x |
| 1031 | | | 14,000 | x | 139,000 | x |
| 1032 | | | 0 | x | 0 | x |
| 1033 | | | | | | |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1955 | | | | | |
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | Completed | Abandoned | Producing end of year | | Name | Depth of hole (ft.) |
| 20 | Ohara: MisL | L | 2,925 | 5 | 1 | 0 | 0 | 0 | MC | MisL | 3,010 |
| 40 | Ohara: MisL | L | 2,925 | 5 | 2 | 0 | 0 | 22 | MC | MisL | 3,003 |
| 20 | | | | | 2 | 2 | 0 | 2 | x | MisL | 2,452 |
| 10 | Degonia: MisU | S | 1,330 | 6 | 1 | 1 | 0 | | x | | |
| 10 | Waltersburg: MisU | S | 1,505 | 9 | 1 | 1 | 0 | | x | | |
| 1,800 | Silurian: Sil | L | 1,890 | 15 | 87 | 19 | 0 | 85 | MU | Sil | 2,020 |
| 4,500 | | | | | 437 | 10 | 3 | 296 | A | Dev | 4,237 |
| 60 | Bridgeport: Pen | S | 1,370 | 20 | 5 | 1 | 0 | | AL | | |
| 700 | Biehl: Pen | S | 1,470 | 20 | 46 | 0 | 0 | | AL | | |
| 50 | Jordan: Pen | S | 1,520 | 15 | 2 | 0 | 0 | | AL | | |
| 40 | Palestine: MisU | S | 1,580 | 10 | 3 | 0 | 0 | | AL | | |
| 10 | Waltersburg: MisU[28] | S | 1,690 | 10 | 0 | 0 | 0 | | AL | | |
| 290 | Tar Springs: MisU | S | 1,790 | 13 | 17 | 3 | 0 | | AL | | |
| 10 | Jackson: MisU[28] | S | 2,020 | 25 | 0 | 0 | 0 | | AL | | |
| 3,360 | Cypress: MisU | S | 2,025 | 15 | 256 | 4 | 1 | | AL | | |
| 20 | Paint Creek: MisU | S | 2,095 | 7 | 1 | 0 | 0 | | AL | | |
| 60 | Bethel: MisU | S | 2,110 | 16 | 3 | 0 | 0 | | AL | | |
| 260 | Ohara: MisL | OL | 2,320 | 5 | 9 | 0 | 2 | | AC | | |
| 240 | Rosiclare: MisL | S | 2,350 | 5 | 6 | 0 | 0 | | AL | | |
| 1,300 | McClosky: MisL[1] | OL | 2,360 | 6 | 44 | 0 | 0 | | AC | | |
| | | | | | 45 | 0 | 0 | | | | |
| 180 | | | | | 11 | 0 | 1 | 5 | M | MisL | 3,354 |
| 50 | Aux Vases: MisU | S | 3,110 | 8 | 4 | 0 | 1 | | ML | | |
| 40 | Ohara: MisL | L | 3,170 | 6 | 2 | 0 | 0 | | MC | | |
| 100 | McClosky: MisL | L | 3,240 | 5 | 5 | 0 | 0 | | MC | | |
| 50 | Pottsville: Pen | S | 605 | 6 | 5 | 0 | 0 | 0 | A | Pen | 905 |
| 220 | | | | | 9 | 0 | 1 | 4 | A | MisL | 3,009 |
| 40 | Aux Vases: MisU | S | 2,665 | 8 | 4 | 0 | 0 | | A | | |
| 20 | Ohara: MisL[28] | L | 2,750 | 6 | 0 | 0 | 0 | | AC | | |
| 180 | McClosky: MisL[1] | L | 2,800 | 7 | 4 | 0 | 1 | | AC | | |
| | | | | | 1 | 0 | 0 | | | | |
| 20 | Pennsylvanian: Pen | S | 370 | 16 | 1 | 1 | 0 | 1 | x | Pen | 395 |
| 20 | Rosiclare: MisL | S | 2,790 | 12 | 1 | 0 | 0 | 1 | ML | MisL | 3,925 |
| 30 | | | | | 3 | 0 | 0 | 0 | M | Dev | 2,760 |
| 10 | Isabel: Pen | S | 650 | 3 | 1 | 0 | 0 | | ML | | |
| 20 | Pennsylvanian: Pen | S | 1,165 | 10 | 2 | 0 | 0 | | ML | | |
| 60 | Silurian: Sil | L | 1,730 | 11 | 3 | 2 | 0 | 3 | MU | Sil | 1,855 |
| 23,500 | | | | | 2,080 | 57 | 11 | 1,637 | A | Shakopee | 7,682 |
| x | Jamestown: Pen | S | 720 | 13 | 2 | 0 | 0 | | AL | | |
| x | Mansfield: Pen[23] | S | x | x | 0 | 0 | 0 | | AL | | |
| x | Bridgeport: Pen | S | 1,340 | 7 | 3 | 1 | 0 | | AL | | |
| x | Biehl: Pen | S | 1,850 | 20 | 76 | 1 | 0 | | AL | | |
| x | Jordan: Pen[23] | S | 1,760 | x | 0 | 0 | 0 | | AL | | |
| x | Degonia: MisU | S | 1,925 | 10 | 4 | 0 | 0 | | AL | | |
| x | Clore: MisU | S | 1,980 | 10 | 3 | 0 | 0 | | AL | | |
| 220 | Palestine: MisU | S | 2,000 | 10 | 16 | 0 | 0 | | AL | | |
| 850 | Waltersburg: MisU | S | 2,155 | 20 | 32 | 0 | 0 | | AL | | |
| 1,300 | Tar Springs: MisU | S | 2,215 | 26 | 97 | 5 | 3 | | ALf | | |
| 7,900 | Cypress: MisU | S | 2,570 | 20 | 522 | 7 | 1 | | ALf | | |
| x | Paint Creek: MisU | S | 2,660 | 20 | 18 | 0 | 0 | | ALf | | |
| x | Bethel: MisU | S | 2,700 | 27 | 482 | 15 | 3 | | ALf | | |
| 5,000 | Aux Vases: MisU | S | 2,800 | 15 | 289 | 8 | 1 | | ALf | | |
| x | Ohara: MisL | OL | 2,900 | 6 | 22 | 0 | 0 | | AC | | |
| x | Rosiclare: MisL | LS | 2,910 | 10 | 16 | 1 | 0 | | AC | | |
| x | McClosky: MisL | OL | 2,925 | 8 | 164 | 4 | 3 | | AC | | |
| 40 | Salem: MisL[1] | L | 3,755 | 6 | 1 | 0 | 0 | | AC | | |
| | | | | | 343 | 15 | 0 | | | | |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 1034 | New Harmony South (Ill.): | 1941 | 0 | 2,000 | 0 | 77,000 |
| 1035 | White | | 0 | x | 0 | x |
| 1036 | | | 0 | x | 0 | x |
| 1037 | | | 0 | 0 | 0 | 0 |
| 1038 | | | 0 | 0 | 0 | x |
| 1039 | | | 0 | 0 | 0 | 2,000 |
| 1040 | | | 0 | x | 0 | x |
| 1041 | | | | | | |
| 1042 | New Harmony South (Ind.): | 1946 | 0 | 24,000 | 0 | 443,000 |
| 1043 | White[90] | | 0 | x | 0 | x |
| 1044 | | | 0 | x | 0 | x |
| 1045 | | | 0 | x | 0 | x |
| 1046 | | | | | | |
| 1047 | New Haven Consolidated: White[90] | 1941 | 70,000 | 82,000 | 80,000 | 913,000 |
| 1048 | | | 3,000 | x | 8,000 | x |
| 1049 | | | 0 | x | 0 | x |
| 1050 | | | 67,000 | x | 72,000 | x |
| 1051 | | | 0 | x | 0 | x |
| 1052 | | | 0 | x | 0 | x |
| 1053 | | | | | | |
| 1054 | New Hebron East: Crawford | 1954 | 0 | x | 0 | x |
| 1055 | New Memphis: Clinton | 1952 | 0 | 443,000 | 0 | 718,000 |
| 1056 | New Memphis North: Clinton | 1954 | 0 | 6,000 | 0 | 6,000 |
| 1057 | New Memphis South: Clinton[91] | 1952 | 0 | 0 | 0 | 1,000 |
| 1058 | Newton: Jasper | 1944 | 0 | 1,000 | 0 | 73,000 |
| 1059 | Newton North: Jasper[92] | 1945 | 0 | 0 | 0 | 7,000 |
| 1060 | Newton West: Jasper[93] | 1947 | 0 | 0 | 0 | 1,000 |
| 1061 | Noble West: Clay | 1951 | 0 | 1,000 | 0 | 7,000 |
| 1062 | Oakley: Macon | 1954 | 0 | 4,000 | 0 | 6,000 |
| 1063 | Oak Point: Clark | 1952 | 0 | 20,000 | 0 | 20,000 |
| 1064 | | | 0 | 0 | 0 | 0 |
| 1065 | | | 0 | 20,000 | 0 | 20,000 |
| 1066 | | | 0 | 0 | 0 | x |
| 1067 | Oak Point West: Clark | 1955 | 0 | x | 0 | x |
| 1068 | Odin: Marion | 1945 | 77,000 | 77,000 | 1,093,000 | 1,498,000 |
| 1069 | Okawville: Washington | 1951 | 0 | 3,000 | 0 | 26,000 |
| 1070 | Okawville North: Washington | 1955 | 0 | 3,000 | 0 | 3,000 |
| 1071 | Old Ripley: Bond | 1954 | 0 | 53,000 | 0 | 54,000 |
| 1072 | Olney Consolidated: Richland | 1938 | 31,000 | 129,000 | 58,000 | 3,634,000 |
| 1073 | | | 0 | x | 0 | x |
| 1074 | | | 0 | x | 0 | x |
| 1075 | | | 31,000 | x | 58,000 | x |
| 1076 | | | | | | |
| 1077 | Olney South: Richland[94] | 1937 | 0 | 50,000 | 0 | 615,000 |
| 1078 | | | 0 | x | 0 | x |
| 1079 | | | 0 | x | 0 | x |
| 1080 | | | | | | |
| 1081 | Omaha: Gallatin[5] | 1940 | 0 | 131,000 | 0 | 2,494,000 |
| 1082 | | | 0 | x | 0 | x |
| 1083 | | | 0 | x | 0 | x |
| 1084 | | | 0 | x | 0 | x |
| 1085 | | | 0 | x | 0 | x |
| 1086 | | | 0 | x | 0 | x |
| 1087 | | | 0 | x | 0 | x |
| 1088 | | | 0 | x | 0 | x |
| 1089 | | | | | | |
| 1090 | Omaha East: Gallatin | 1946 | 0 | 0 | 0 | 10,000 |
| 1091 | | | 0 | 0 | 0 | 0 |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1955 | | | | | |
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | Completed | Abandoned | Producing end of year | | Name | Depth of hole (ft.) |
| 90 | | | | | 7 | 0 | 0 | 1 | A | MisL | 3,207 |
| 20 | Waltersburg: MisU | S | 2,250 | 18 | 1 | 0 | 0 | | AF | | |
| 10 | Tar Springs: MisU | S | 2,350 | 16 | 1 | 0 | 0 | | AF | | |
| 10 | Cypress: MisU | S | 2,670 | 8 | 1 | 0 | 0 | | Af | | |
| 20 | Bethel: MisU | S | 2,815 | 10 | 1 | 0 | 0 | | Af | | |
| 10 | Aux Vases: MisU | S | 3,005 | 7 | 1 | 0 | 0 | | AF | | |
| 40 | McClosky: MisL | L | 3,010 | 5 | 1 | 0 | 0 | | AF | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 60 | | | | | 6 | 0 | 0 | 6 | T | MisL | 3,068 |
| 20 | Degonia: MisU[28] | S | 1,850 | 8 | 0 | 0 | 0 | | TF | | |
| 30 | Palestine: MisU | S | 1,955 | 10 | 1 | 0 | 0 | | TF | | |
| 30 | Waltersburg: MisU | S | 2,120 | 30 | 3 | 0 | 0 | | TF | | |
| | 1 | | | | 2 | 0 | 0 | | | | |
| 360 | | | | | 31 | 0 | 0 | 29 | A | MisL | 2,980 |
| 130 | Tar Springs: MisU | S | 2,105 | 12 | 8 | 0 | 0 | | Af | | |
| 10 | Hardinsburg: MisU | S | 2,245 | 8 | 1 | 0 | 0 | | Af | | |
| 200 | Cypress: MisU | S | 2,445 | 12 | 11 | 0 | 0 | | Af | | |
| 70 | Aux Vases: MisU | S | 2,720 | 15 | 4 | 0 | 0 | | Af | | |
| 60 | McClosky: MisL | OL | 2,820 | 6 | 1 | 0 | 0 | | AC | | |
| | 1 | | | | 6 | 0 | 0 | | | | |
| 30 | Aux Vases: MisU | S | 1,555 | 4 | 3 | 2 | 1 | 0 | x | MisL | 1,571 |
| 700 | Silurian: Sil | L | 1,980 | x | 34 | 10 | 0 | 34 | R | Sil | 2,240 |
| 60 | Devonian-Silurian | L | 2,050 | 15 | 3 | 0 | 0 | 3 | x | Dev | 2,272 |
| 20 | Silurian: Sil | L | 2,000 | 25 | 1 | 0 | 0 | 0 | x | Sil | 2,131 |
| 80 | Ste. Genevieve: MisL | L | 2,950 | 6 | 4 | 0 | 0 | 2 | MC | MisL | 3,040 |
| 20 | McClosky: MisL | L | 2,855 | 5 | 1 | 0 | 0 | 0 | MC | MisL | 2,889 |
| 60 | McClosky: MisL | L | 3,000 | 7 | 3 | 0 | 0 | 0 | MC | MisL | 3,102 |
| 20 | McClosky: MisL | L | 3,035 | 8 | 1 | 0 | 0 | 1 | x | MisL | 3,149 |
| 120 | Cedar Valley: Dev | L | 2,285 | 5 | 6 | 1 | 2 | 4 | x | Dev | 2,321 |
| 200 | | | | | 18 | 16 | 0 | 16 | M | Dev | 2,691 |
| 10 | Isabel: Pen | S | 560 | 10 | 1 | 0 | 0 | | ML | | |
| 180 | Aux Vases: MisU | S | 1,185 | 17 | 16 | 16 | 0 | | x | | |
| 10 | Carper: MisL | L | 2,220 | x | 1 | 0 | 0 | | ML | | |
| 10 | Aux Vases: MisU | S | 1,190 | 8 | 1 | 1 | 0 | 1 | x | MisL | 1,560 |
| 290 | Cypress: MisU | S | 1,750 | 13 | 29 | 0 | 0 | 28 | AL | Dev | 3,597 |
| 60 | Silurian: Sil | L | 2,325 | 3 | 3 | 0 | 0 | 3 | R | Sil | 2,603 |
| 20 | Silurian: Sil | L | 2,235 | x | 1 | 1 | 0 | 1 | x | Sil | 2,498 |
| 610 | Pennsylvanian: Pen | S | 600 | 17 | 49 | 43 | 0 | 49 | A | Dev | 2,221 |
| 2,260 | | | | | 91 | 1 | 2 | 44 | A | MisL | 3,289 |
| x | Ohara: MisL | L | 3,005 | 6 | 7 | 0 | 0 | | A | | |
| x | Rosiclare: MisL | L | 3,050 | 5 | 2 | 0 | 0 | | A | | |
| x | McClosky: MisL | L | 3,100 | 6 | 80 | 1 | 2 | | A | | |
| | 1 | | | | 2 | 0 | 0 | | | | |
| 800 | | | | | 36 | 0 | 1 | 32 | M | Dev | 4,910 |
| 700 | Rosiclare: MisL | L | 3,100 | 4 | 15 | 0 | 0 | | MC | | |
| 460 | McClosky: MisL | L | 3,115 | 3 | 5 | 0 | 0 | | MC | | |
| | 1 | | | | 16 | 0 | 1 | | | | |
| 720 | | | | | 54 | 7 | 4 | 45 | D | MisL | 2,941 |
| 210 | Jake Creek: Pen | S | 375 | 20 | 15 | 1 | 0 | | D | | |
| 30 | Pennsylvanian: Pen | S | 580 | 10 | 3 | 2 | 0 | | D | | |
| 60 | Biehl: Pen | S | 1,335 | 10 | 4 | 0 | 0 | | D | | |
| 360 | Palestine: MisU | S | 1,700 | 15 | 24 | 0 | 1 | | D | | |
| 80 | Tar Springs: MisU | S | 1,900 | 15 | 6 | 2 | 1 | | D | | |
| 10 | Bethel: MisU[28] | S | 2,570 | 14 | 0 | 0 | 0 | | D | | |
| 20 | Aux Vases: MisU | S | 2,730 | 20 | 1 | 1 | 1 | | D | | |
| | 1 | | | | 1 | 1 | 1 | | | | |
| 30 | | | | | 2 | 1 | 1 | 0 | M | MisL | 3,000 |
| 10 | Aux Vases: MisU | S | 2,790 | x | 1 | 1 | 1 | | M | | |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) During 1955 Secondary recovery | During 1955 Total | To End of 1955 Secondary recovery | To End of 1955 Total |
|---|---|---|---|---|---|---|
| 1092 | | | 0 | 0 | 0 | 10,000 |
| 1093 | Omaha South: Gallatin, Saline | 1951 | 0 | 5,000 | 0 | 13,000 |
| 1094 | | | 0 | 5,000 | 0 | 8,000 |
| 1095 | | | 0 | 0 | 0 | 0 |
| 1096 | | | 0 | 500 | 0 | 5,000 |
| 1097 | Omaha West: Saline | 1950 | 0 | 16,000 | 0 | 111,000 |
| 1098 | | | 0 | x | 0 | x |
| 1099 | | | 0 | x | 0 | x |
| 1100 | | | 0 | 0 | 0 | 1,000 |
| 1101 | | | | | | |
| 1102 | Omega: Marion[95] | 1946 | 0 | 0 | 0 | 5,000 |
| 1103 | Orchardville: Wayne | 1950 | 0 | 22,000 | 0 | 76,000 |
| 1104 | | | 0 | 19,000 | 0 | 53,000 |
| 1105 | | | 0 | 2,000 | 0 | 2,000 |
| 1106 | | | 0 | 1,000 | 0 | 21,000 |
| 1107 | Oskaloosa: Clay | 1950 | 194,000 | 261,000 | 464,000 | 1,222,000 |
| 1108 | Oskaloosa East: Clay[96] | 1947 | 0 | 0 | 0 | 35,000 |
| 1109 | | | 0 | 0 | 0 | 7,000 |
| 1110 | | | 0 | 0 | 0 | 28,000 |
| 1111 | Oskaloosa South: Clay | 1951 | 0 | 4,000 | 0 | 17,000 |
| 1112 | Pana: Christian | 1951 | 0 | 7,000 | 0 | 39,000 |
| 1113 | Panama: Bond, Montgomery[5] | 1940 | 0 | 2,000 | 0 | 12,000 |
| 1114 | | | 0 | 1,000 | 0 | 5,000 |
| 1115 | | | 0 | 1,000 | 0 | 7,000 |
| 1116 | Parkersburg Consolidated: | 1941 | 32,000 | 319,000 | 32,000 | 9,229,000 |
| 1117 | Richland, Edwards | | 0 | x | 0 | x |
| 1118 | | | 0 | x | 0 | x |
| 1119 | | | 0 | x | 0 | x |
| 1120 | | | 0 | x | 0 | x |
| 1121 | | | 0 | x | 0 | x |
| 1122 | | | 0 | x | 0 | x |
| 1123 | | | 32,000 | x | 32,000 | x |
| 1124 | | | | | | |
| 1125 | Parkersburg South: Edwards | 1948 | 0 | 6,000 | 0 | 50,000 |
| 1126 | | | 0 | 5,000 | 0 | 38,000 |
| 1127 | | | 0 | 1,000 | 0 | 12,000 |
| 1128 | Parkersburg West: Richland, | 1943 | 0 | 12,000 | 0 | 176,000 |
| 1129 | Edwards | | 0 | 0 | 0 | x |
| 1130 | | | 0 | 12,000 | 0 | x |
| 1131 | Passport: Clay | 1945 | 0 | 77,000 | 0 | 2,089,000 |
| 1132 | | | 0 | 0 | 0 | x |
| 1133 | | | 0 | 77,000 | 0 | x |
| 1134 | | | | | | |
| 1135 | Passport South: Richland | 1948 | 0 | 5,000 | 0 | 58,000 |
| 1136 | | | 0 | 5,000 | 0 | 39,000 |
| 1137 | | | 0 | 0 | 0 | 19,000 |
| 1138 | | | 0 | x | 0 | x |
| 1139 | Passport West: Clay | 1954 | 0 | 14,000 | 0 | 39,000 |
| 1140 | Patoka: Marion | 1937 | 153,000 | 180,000 | 7,451,000 | 11,464,000 |
| 1141 | | | 10,000 | x | 46,000 | x |
| 1142 | | | 78,000 | x | 6,151,000 | x |
| 1143 | | | 65,000 | x | 1,254,000 | x |
| 1144 | | | 0 | x | 0 | x |
| 1145 | Patoka East: Marion | 1941 | 0 | 100,000 | 0 | 3,989,000 |
| 1146 | | | 0 | x | 0 | x |
| 1147 | | | 0 | x | 0 | x |
| 1148 | | | 0 | x | 0 | x |
| 1149 | | | 0 | x | 0 | x |

(continued)

| Total proved area (acres) | Producing Formation: Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Number of Wells: Completed to end of 1955 | 1955: Completed | 1955: Abandoned | 1955: Producing end of year | Structure[c] | Deepest Zone Tested: Name | Deepest Zone Tested: Depth of hole (ft.) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | Ohara: MisL | L | 2,855 | 8 | 1 | 0 | 0 | | MCf | | |
| 90 | | | | | 7 | 4 | 1 | 5 | N | MisL | 3,035 |
| 20 | Cypress: MisU | S | 2,535 | 15 | 5 | 3 | 0 | | NL | | |
| 10 | Aux Vases: MisU | S | 2,870 | 11 | 1 | 1 | 0 | | N | | |
| 20 | Rosiclare: MisL | L | 2,865 | 1 | 1 | 0 | 1 | | NC | | |
| 70 | | | | | 6 | 0 | 0 | 4 | A | MisL | 3,016 |
| 50 | Cypress: MisU | S | 2,600 | 14 | 4 | 0 | 0 | | AL | | |
| 10 | Aux Vases: MisU[28] | S | 2,800 | 30 | 0 | 0 | 0 | | AL | | |
| 20 | McClosky: MisL[1] | L | 2,910 | 8 | 1 | 0 | 0 | | AC | | |
| | | | | | 1 | 0 | 0 | | | | |
| 40 | McClosky: MisL | L | 2,490 | 10 | 2 | 0 | 0 | 0 | D | MisL | 2,584 |
| 100 | | | | | 8 | 1 | 0 | 8 | A | MisL | 3,000 |
| 60 | Aux Vases: MisU | S | 2,800 | 16 | 5 | 0 | 0 | | AL | | |
| 20 | Ohara: MisL | L | 2,880 | 3 | 1 | 1 | 0 | | AC | | |
| 40 | McClosky: MisL | L | 2,905 | 5 | 2 | 0 | 0 | | AC | | |
| 360 | Bethel: MisU | S | 2,595 | 15 | 36 | 0 | 0 | 35 | A | MisL | 2,961 |
| 40 | | | | | 3 | 0 | 0 | 0 | A | MisL | 3,050 |
| 20 | Aux Vases: MisU | S | 2,820 | 5 | 2 | 0 | 0 | | AL | | |
| 20 | McClosky: MisL | L | 2,895 | 4 | 1 | 0 | 0 | | AC | | |
| 60 | McClosky: MisL | L | 2,770 | 4 | 3 | 0 | 0 | 3 | AC | MisL | 2,883 |
| 50 | Bethel: MisU | S | 1,470 | 8 | 4 | 0 | 0 | 4 | x | Dev | 2,847 |
| 40 | | | | | 4 | 0 | 0 | 3 | A | Dev | 2,016 |
| 30 | Golconda: MisU | L | 705 | 12 | 3 | 0 | 0 | | A | | |
| 10 | Bethel: MisU | S | 865 | 12 | 1 | 0 | 0 | | A | | |
| 6,300 | | | | | 273 | 1 | 10 | 159 | A | MisL | 3,333 |
| 80 | Waltersburg: MisU | S | 2,430 | 10 | 8 | 0 | 1 | | A | | |
| 160 | Cypress: MisU | S | 2,830 | 12 | 8 | 0 | 0 | | A | | |
| 70 | Paint Creek: MisU | S | 2,955 | 17 | 2 | 0 | 0 | | A | | |
| 140 | Bethel: MisU | S | 2,930 | 12 | 4 | 0 | 0 | | A | | |
| x | Ohara: MisL | L | 3,100 | 10 | 2 | 0 | 0 | | A | | |
| x | Rosiclare: MisL | L | 3,150 | 10 | 42 | 0 | 2 | | A | | |
| 5,000 | McClosky: MisL[1] | OL | 3,175 | 10 | 182 | 0 | 7 | | A | | |
| | | | | | 25 | 1 | 0 | | | | |
| 80 | | | | | 8 | 0 | 0 | 6 | x | MisL | 3,187 |
| 60 | Pennsylvanian: Pen | S | 1,400 | 10 | 6 | 0 | 0 | | x | | |
| 20 | Bethel: MisU | S | 2,815 | 5 | 2 | 0 | 0 | | x | | |
| 240 | | | | | 10 | 0 | 0 | 6 | A | MisL | 3,331 |
| 40 | Ohara: MisL | L | 3,220 | 5 | 1 | 0 | 0 | | AC | | |
| 200 | McClosky: MisL | L | 3,260 | 6 | 9 | 0 | 0 | | AC | | |
| 1,040 | | | | | 56 | 0 | 1 | 39 | A | MisL | 3,140 |
| 40 | Rosiclare: MisL | L | 3,005 | 5 | 1 | 0 | 0 | | AC | | |
| 1,040 | McClosky: MisL[1] | L | 3,020 | 10 | 54 | 0 | 1 | | A | | |
| | | | | | 1 | 0 | 0 | | | | |
| 70 | | | | | 5 | 1 | 0 | 4 | A | MisL | 3,692 |
| 30 | Cypress: MisU | S | 2,665 | 15 | 3 | 0 | 0 | | AL | | |
| 20 | Rosiclare: MisL | L | 3,025 | 6 | 1 | 0 | 0 | | AC | | |
| 20 | McClosky: MisL | L | 3,030 | 8 | 1 | 1 | 0 | | AC | | |
| 100 | Ste. Genevieve: MisL | L | 3,030 | 5 | 5 | 0 | 0 | 5 | AC | MisL | 3,130 |
| 960 | | | | | 171 | 0 | 0 | 85 | D | Dev | 3,142 |
| 60 | Cypress: MisU[28] | S | 1,280 | 10 | 0 | 0 | 0 | | D | | |
| 920 | Bethel: MisU | S | 1,410 | 27 | 163 | 0 | 0 | | D | | |
| 440 | Rosiclare: MisL | S | 1,550 | 9 | 7 | 0 | 0 | | D | | |
| 20 | Geneva: Dev | D | 2,835 | 10 | 1 | 0 | 0 | | D | | |
| 600 | | | | | 64 | 0 | 1 | 51 | D | Ord | 4,178 |
| 500 | Cypress: MisU | S | 1,340 | 16 | 54 | 0 | 0 | | D | | |
| 60 | Bethel: MisU | S | 1,465 | 10 | 5 | 0 | 0 | | D | | |
| 80 | McClosky: MisL | L | 1,635 | 8 | 3 | 0 | 1 | | D | | |
| 40 | Geneva: Dev | D | 2,950 | 30 | 2 | 0 | 0 | | R | | |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 1150 | Patoka South: Marion | 1953 | 0 | 90,000 | 0 | 199,000 |
| 1151 | Patoka West: Fayette | 1950 | 0 | 23,000 | 0 | 197,000 |
| 1152 | Phillipstown Consolidated: White, | 1939 | 196,000 | 963,000 | 1,425,000 | 15,044,000 |
| 1153 | Edwards | | 0 | x | 0 | x |
| 1154 | | | 0 | x | 0 | x |
| 1155 | | | 0 | x | 0 | x |
| 1156 | | | 108,000 | x | 918,000 | x |
| 1157 | | | 41,000 | x | 417,000 | x |
| 1158 | | | 17,000 | x | 47,000 | x |
| 1159 | | | 0 | x | 0 | x |
| 1160 | | | 0 | x | 0 | x |
| 1161 | | | 0 | x | 0 | x |
| 1162 | | | 0 | x | 0 | x |
| 1163 | | | 30,000 | x | 43,000 | x |
| 1164 | | | 0 | x | 0 | x |
| 1165 | | | 0 | x | 0 | x |
| 1166 | | | 0 | x | 0 | x |
| 1167 | | | 0 | x | 0 | x |
| 1168 | | | 0 | x | 0 | x |
| 1169 | | | 0 | x | 0 | x |
| 1170 | | | | | | |
| 1171 | Phillipstown South: White | 1951 | 0 | x | 0 | x |
| 1172 | | | 0 | x | 0 | x |
| 1173 | | | 0 | x | 0 | x |
| 1174 | Pinkstaff: Lawrence[97] | 1951 | 0 | 0 | 0 | 100 |
| 1175 | Pinkstaff East: Lawrence | 1955 | 0 | 0 | 0 | 0 |
| 1176 | Plainview: Macoupin | 1942 | 0 | 0 | 0 | 2,000 |
| 1177 | Posen: Washington | 1952 | 0 | 8,000 | 0 | 40,000 |
| 1178 | Posen North: Washington | 1953 | 0 | 1,000 | 0 | 2,000 |
| 1179 | Posen South: Washington | 1955 | 0 | 0 | 0 | 0 |
| 1180 | Posey: Clinton | 1941 | 0 | 0 | 0 | 8,000 |
| 1181 | Posey East: Clinton | 1952 | 0 | 3,000 | 0 | 10,000 |
| 1182 | Posey West: Clinton[93] | 1954 | 0 | 0 | 0 | 1,000 |
| 1183 | Prentice: Morgan[5] | 1953 | 0 | 0 | 0 | 0 |
| 1184 | Raccoon Lake: Marion | 1949 | 0 | 194,000 | 0 | 2,438,000 |
| 1185 | | | 0 | x | 0 | x |
| 1186 | | | 0 | x | 0 | x |
| 1187 | | | 0 | x | 0 | x |
| 1188 | | | 0 | x | 0 | x |
| 1189 | | | 0 | x | 0 | x |
| 1190 | | | | | | |
| 1191 | Raleigh: Saline | 1953 | 0 | 212,000 | 0 | 475,000 |
| 1192 | | | 0 | x | 0 | x |
| 1193 | | | 0 | x | 0 | x |
| 1194 | | | 0 | x | 0 | x |
| 1195 | | | | | | |
| 1196 | Raleigh South: Saline | 1955 | 0 | 55,000 | 0 | 55,000 |
| 1197 | Raymond: Montgomery | 1940 | 0 | 1,000 | 0 | 17,000 |
| 1198 | Raymond East: Montgomery | 1951 | 0 | 3,000 | 0 | 17,000 |
| 1199 | Reservoir: Jefferson | 1950 | 0 | 17,000 | 0 | 211,000 |
| 1200 | Richview: Washington | 1946 | 0 | 2,000 | 0 | 12,000 |
| 1201 | Ridgway: Gallatin[99] | 1946 | 0 | 0 | 0 | 100 |
| 1202 | | | 0 | 0 | 0 | 0 |
| 1203 | | | 0 | 0 | 0 | 100 |
| 1204 | Riffle: Clay | 1948 | 0 | 2,000 | 0 | 72,000 |
| 1205 | Rinard: Wayne[100] | 1937 | 0 | 0 | 0 | 7,000 |
| 1206 | Rinard North: Wayne | 1952 | 0 | 26,000 | 0 | 172,000 |
| 1207 | | | 0 | 0 | 0 | 0 |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | 1955 Completed | 1955 Abandoned | 1955 Producing end of year | | Name | Depth of hole (ft.) |
| 320 | Cypress: MisU | S | 1,350 | 10 | 27 | 2 | 0 | 26 | A | MisL | 1,728 |
| 180 | Bethel: MisU | S | 1,380 | 6 | 17 | 0 | 0 | 13 | A | MisL | 1,735 |
| 5,700 | | | | | 424 | 40 | 6 | 340 | A | Dev | 5,350 |
| 10 | Anvil Rock: Pen | S | 795 | 10 | 1 | 0 | 0 | | Af | | |
| x | Clark-Bridgeport: Pen | S | 1,350 | 10 | 13 | 0 | 0 | | Af | | |
| x | Pennsylvanian: Pen | S | 1,450 | 10 | 9 | 0 | 0 | | Af | | |
| x | Buchanan: Pen | S | 1,550 | 15 | 23 | 0 | 1 | | Af | | |
| x | Biehl: Pen | S | 1,875 | 15 | 43 | 1 | 1 | | Af | | |
| 450 | Degonia: MisU | S | 1,975 | 15 | 35 | 2 | 0 | | Af | | |
| 120 | Clore: MisU | S | 2,010 | 12 | 4 | 0 | 0 | | Af | | |
| 60 | Palestine: MisU | S | 2,050 | 11 | 1 | 0 | 1 | | Af | | |
| 50 | Waltersburg: MisU | S | 2,280 | 11 | 4 | 0 | 0 | | Af | | |
| 900 | Tar Springs: MisU | S | 2,295 | 15 | 60 | 0 | 0 | | Af | | |
| 430 | Cypress: MisU | S | 2,720 | 12 | 21 | 3 | 1 | | Af | | |
| 50 | Paint Creek: MisU | S | 2,780 | 9 | 4 | 1 | 0 | | Af | | |
| 670 | Bethel: MisU | S | 2,810 | 15 | 45 | 13 | 0 | | Af | | |
| 660 | Aux Vases: MisU | S | 2,880 | 15 | 30 | 1 | 0 | | Af | | |
| 400 | Ohara: MisL | L | 3,010 | 10 | 14 | 5 | 0 | | ACf | | |
| 360 | Rosiclare: MisL | LS | 2,960 | 10 | 12 | 4 | 0 | | ACf | | |
| 1,040 | McClosky: MisL | L | 3,000 | 6 | 44 | 0 | 2 | | ACf | | |
| | [1] | | | | 61 | 10 | 0 | | | | |
| 20 | | | | | 2 | 0 | 0 | 1 | M | MisL | 3,161 |
| 10 | Tar Springs: MisU | S | 2,345 | 10 | 1 | 0 | 0 | | Mf | | |
| 10 | Aux Vases: MisU | S | 2,985 | 10 | 1 | 0 | 0 | | Mf | | |
| 20 | McClosky: MisL | L | 1,735 | 4 | 1 | 0 | 0 | 0 | x | MisL | 1,797 |
| 20 | McClosky: MisL | L | 1,640 | 6 | 1 | 1 | 0 | 1 | x | MisL | 1,644 |
| 10 | Pennsylvanian: Pen | S | 410 | 5 | 1 | 0 | 0 | 0 | x | Pen | 421 |
| 80 | Trenton: Ord | L | 3,900 | 25 | 4 | 0 | 0 | 4 | A | Ord | 3,954 |
| 10 | Trenton: Ord | L | 4,015 | 15 | 1 | 0 | 0 | 1 | AC | Ord | 4,112 |
| 10 | Bethel: MisU | S | 1,255 | 2 | 1 | 1 | 0 | 1 | x | MisU | 1,300 |
| 20 | Cypress: MisU | S | 1,105 | 5 | 2 | 0 | 0 | 1 | M | Sil | 2,729 |
| 40 | Devonian: Dev | L | 2,740 | 8 | 2 | 0 | 0 | 2 | x | Dev | 2,770 |
| 10 | Devonian: Dev | L | 2,585 | 15 | 1 | 0 | 0 | 0 | x | Dev | 2,604 |
| 20 | Pennsylvanian: Pen | S | 270 | 10 | 2 | 0 | 0 | 0 | x | Pen | 325 |
| 400 | | | | | 47 | 0 | 2 | 44 | D | Sil | 3,530 |
| 190 | Cypress: MisU | S | 1,625 | 10 | 18 | 0 | 2 | | D | | |
| 20 | Ohara: MisL[28] | L | 1,885 | 5 | 0 | 0 | 0 | | DC | | |
| 200 | Rosiclare: MisL | S | 1,930 | 12 | 2 | 0 | 0 | | DC | | |
| 260 | McClosky: MisL | L | 1,950 | 10 | 4 | 0 | 0 | | DC | | |
| 300 | Devonian and Silurian | L | 3,330 | 10 | 15 | 0 | 0 | | R | | |
| | [1] | | | | 8 | 0 | 0 | | | | |
| 380 | | | | | 36 | 0 | 0 | 36 | A | MisL | 3,106 |
| 10 | Tar Springs: MisU[28] | S | 2,235 | 20 | 0 | 0 | 0 | | A | | |
| 380 | Cypress: MisU | S | 2,550 | 12 | 34 | 0 | 0 | | A | | |
| 10 | Aux Vases: MisU[28] | S | 2,905 | 5 | 0 | 0 | 0 | | A | | |
| | [1] | | | | 2 | 0 | 0 | | | | |
| 60 | Aux Vases: MisU | S | 2,860 | 16 | 6 | 6 | 0 | 6 | x | MisL | 3,092 |
| 100 | Pottsville: Pen | S | 590 | 10 | 10 | 0 | 1 | 2 | ML | Dev | 2,049 |
| 60 | Pennsylvanian: Pen | S | 595 | 10 | 5 | 0 | 0 | 5 | x | MisL | 1,008 |
| 200 | McClosky: MisL | L | 2,700 | 6 | 10 | 0 | 1 | 7 | MC | MisL | 2,808 |
| 20 | Cypress: MisU | S | 1,520 | 7 | 3 | 1 | 1 | 1 | AL | MisL | 1,932 |
| 30 | | | | | 2 | 1 | 0 | 0 | MC | MisL | 2,938 |
| 10 | Palestine: MisU | S | 1,730 | 18 | 1 | 1 | 0 | | ML | | |
| 20 | McClosky: MisL | L | 2,840 | 6 | 1 | 0 | 0 | | MC | | |
| 100 | Rosiclare: MisL | L | 2,735 | 7 | 5 | 0 | 0 | 4 | MC | MisL | 2,848 |
| 20 | McClosky: MisL | L | 3,145 | 5 | 1 | 0 | 0 | 0 | AC | MisL | 3,280 |
| 200 | | | | | 10 | 0 | 0 | 8 | M | MisL | 3,280 |
| 20 | Rosiclare: MisL | L | 3,135 | 6 | 1 | 0 | 0 | | MC | | |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 1208 | | | 0 | 26,000 | 0 | 172,000 |
| 1209 | Ritter: Richland | 1950 | 0 | 5,000 | 0 | 106,000 |
| 1210 | Ritter North: Richland | 1951 | 0 | 4,000 | 0 | 25,000 |
| 1211 | Roaches: Jefferson | 1938 | 0 | 8,000 | 0 | 586,000 |
| 1212 | | | 0 | x | 0 | x |
| 1213 | | | 0 | x | 0 | x |
| 1214 | | | 0 | x | 0 | x |
| 1215 | | | 0 | x | 0 | x |
| 1216 | Roaches North: Jefferson | 1944 | 0 | 30,000 | 0 | 1,296,000 |
| 1217 | | | 0 | x | 0 | x |
| 1218 | | | 0 | x | 0 | x |
| 1219 | | | | | | |
| 1220 | Roby: Sangamon[101] | 1949 | 0 | x | 0 | x |
| 1221 | Rochester: Wabash[90] | 1948 | 0 | 79,000 | 0 | 740,000 |
| 1222 | | | 0 | x | 0 | x |
| 1223 | | | 0 | x | 0 | x |
| 1224 | | | | | | |
| 1225 | Roland Consolidated: White, | 1940 | 512,000 | 2,775,000 | 1,442,000 | 28,663,000 |
| 1226 | Gallatin[5,102] | | 0 | x | 0 | x |
| 1227 | | | 0 | x | 0 | x |
| 1228 | | | 187,000 | x | 307,000 | x |
| 1229 | | | 0 | x | 0 | x |
| 1230 | | | 325,000 | x | 1,135,000 | x |
| 1231 | | | 0 | x | 0 | x |
| 1232 | | | 0 | x | 0 | x |
| 1233 | | | 0 | x | 0 | x |
| 1234 | | | 0 | x | 0 | x |
| 1235 | | | 0 | x | 0 | x |
| 1236 | | | 0 | x | 0 | x |
| 1237 | | | 0 | x | 0 | x |
| 1238 | | | 0 | x | 0 | x |
| 1239 | | | 0 | x | 0 | x |
| 1240 | | | | | | |
| 1241 | Roland West: Saline | 1950 | 0 | 0 | 0 | 22,000 |
| 1242 | Ruark: Lawrence | 1941 | 0 | 117,000 | 0 | 2,050,000 |
| 1243 | | | 0 | x | 0 | x |
| 1244 | | | 0 | x | 0 | x |
| 1245 | | | 0 | 0 | 0 | 0 |
| 1246 | Ruark West Consolidated: | 1947 | 0 | 131,000 | 0 | 566,000 |
| 1247 | Lawrence | | 0 | x | 0 | x |
| 1248 | | | 0 | x | 0 | x |
| 1249 | | | 0 | x | 0 | x |
| 1250 | | | 0 | x | 0 | x |
| 1251 | | | 0 | x | 0 | x |
| 1252 | | | 0 | x | 0 | x |
| 1253 | | | | | | |
| 1254 | Rural Hill North: Hamilton[103] | 1949 | 0 | 0 | 0 | 1,000 |
| 1255 | Russellville (gas): Lawrence[5] | 1937 | 0 | 1,000 | 0 | 11,000 |
| 1256 | Russellville West: Lawrence | 1955 | 0 | 1,000 | 0 | 1,000 |
| 1257 | St. Francisville East: | 1941 | 0 | 22,000 | 0 | 290,000 |
| 1258 | Lawrence | | 0 | x | 0 | x |
| 1259 | | | 0 | x | 0 | x |
| 1260 | | | 0 | x | 0 | x |
| 1261 | | | 0 | x | 0 | x |
| 1262 | | | 0 | x | 0 | x |
| 1263 | St. Jacob: Madison | 1942 | 0 | 70,000 | 0 | 2,741,000 |
| 1264 | St. Jacob East: Madison | 1955 | 0 | 1,000 | 0 | 1,000 |
| 1265 | St. James: Fayette | 1938 | 29,000 | 380,000 | 55,000 | 13,336,000 |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1955 | | | | | |
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | Completed | Abandoned | Producing end of year | | Name | Depth of hole (ft.) |
| 200 | McClosky: MisL | L | 3,140 | 5 | 9 | 0 | 0 | | MC | | |
| 80 | Ste. Genevieve: MisL | L | 3,215 | 5 | 5 | 0 | 0 | 2 | x | MisL | 3,288 |
| 40 | McClosky: MisL | L | 3,215 | 5 | 2 | 0 | 0 | 1 | x | MisL | 3,288 |
| 200 | | | | | 13 | 0 | 0 | 4 | A | Dev | 3,840 |
| 30 | Bethel: MisU[28] | S | 2,000 | x | 0 | 0 | 0 | | AL | | |
| 60 | Ohara: MisL | L | 2,170 | 5 | 2 | 0 | 0 | | AC | | |
| 160 | Rosiclare: MisL | L | 2,190 | 12 | 5 | 0 | 0 | | AC | | |
| 120 | McClosky: MisL | L | 2,250 | 4 | 6 | 0 | 0 | | AC | | |
| 350 | | | | | 34 | 0 | 0 | 29 | A | MisL | 2,283 |
| 350 | Bethel: MisU | S | 1,925 | 7 | 32 | 0 | 0 | | A | | |
| 60 | Rosiclare: MisL | L | 2,115 | 8 | 1 | 0 | 0 | | AC | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 40 | Silurian: Sil | L | 1,775 | 5 | 2 | 0 | 0 | 1 | MU | Sil | 1,822 |
| 270 | | | | | 36 | 2 | 1 | 26 | M | MisL | 2,810 |
| 130 | Pennsylvanian: Pen | S | 1,300 | 16 | 11 | 0 | 1 | | MCf | | |
| 180 | Waltersburg: MisU | S | 1,940 | 20 | 22 | 1 | 0 | | ML | | |
| | 1 | | | | 3 | 1 | 0 | | | | |
| 8,600 | | | | | 794 | 88 | 7 | 664 | A | Dev | 5,225 |
| 50 | Pennsylvanian: Pen | S | 1,410 | 10 | 4 | 0 | 0 | | A | | |
| 20 | Palestine: MisU | S | 2,085 | 2 | 2 | 0 | 0 | | A | | |
| 2,000 | Waltersburg: MisU | S | 2,200 | 15 | 111 | 0 | 0 | | AL | | |
| 320 | Tar Springs: MisU | S | 2,300 | 15 | 20 | 0 | 0 | | AL | | |
| 1,500 | Hardinsburg: MisU | S | 2,550 | 20 | 137 | 2 | 0 | | AL | | |
| 10 | Golconda: MisU[28] | S | 2,505 | 5 | 0 | 0 | 0 | | A | | |
| 1,300 | Cypress: MisU | S | 2,700 | 15 | 87 | 11 | 4 | | AL | | |
| 300 | Paint Creek: MisU | S | 2,800 | 12 | 18 | 3 | 0 | | AL | | |
| 1,000 | Bethel: MisU | S | 2,800 | 12 | 56 | 7 | 1 | | AL | | |
| 2,250 | Aux Vases: MisU | S | 2,880 | 13 | 175 | 46 | 1 | | AL | | |
| 500 | Ohara: MisL | OL | 3,020 | 6 | 13 | 4 | 0 | | AC | | |
| 600 | Rosiclare: MisL | L | 3,050 | 6 | 15 | 2 | 0 | | AC | | |
| 1,500 | McClosky: MisL | L | 3,070 | 6 | 59 | 5 | 0 | | AC | | |
| 20 | St. Louis: MisL[28] | L | x | x | 0 | 0 | 0 | | AC | | |
| | 1 | | | | 97 | 8 | 1 | | | | |
| 10 | Aux Vases: MisU | S | 2,935 | 15 | 1 | 0 | 0 | 0 | ML | MisL | 3,161 |
| 290 | | | | | 29 | 3 | 0 | 21 | A | MisL | 2,442 |
| 250 | Pennsylvanian: Pen | S | 1,600 | 10 | 26 | 2 | 0 | | AL | | |
| 20 | Bethel: MisU | S | 2,065 | 11 | 2 | 1 | 0 | | AL | | |
| 20 | Ohara: MisL | L | 2,275 | 5 | 1 | 0 | 0 | | AC | | |
| 550 | | | | | 50 | 5 | 0 | 45 | M | MisL | 2,633 |
| 50 | Waltersburg: MisU | S | 1,780 | 10 | 6 | 2 | 0 | | ML | | |
| 10 | Cypress: MisU[28] | S | 2,165 | 9 | 0 | 0 | 0 | | ML | | |
| 380 | Bethel: MisU | S | 2,220 | 20 | 27 | 2 | 0 | | ML | | |
| 80 | Ohara: MisL[28] | L | 2,350 | 5 | 0 | 0 | 0 | | MC | | |
| 40 | Rosiclare: MisL | S | 2,390 | 5 | 1 | 0 | 0 | | MC | | |
| 280 | McClosky: MisL | L | 2,400 | 3 | 5 | 1 | 0 | | MC | | |
| | 1 | | | | 11 | 0 | 0 | | | | |
| 20 | Rosiclare: MisL | L | 3,325 | 8 | 1 | 0 | 0 | 0 | MC | MisL | 3,468 |
| 40 | McClosky: MisL[28] | L | 1,560 | 7 | 0 | 0 | 0 | 1 | AC | Dev | 3,133 |
| 20 | Rosiclare: MisL | L | 1,565 | 22 | 1 | 1 | 0 | 1 | x | MisL | 1,646 |
| 240 | | | | | 19 | 1 | 0 | 19 | A | MisL | 1,960 |
| 10 | Pennsylvanian: Pen | S | 1,305 | 2 | 1 | 0 | 0 | | AL | | |
| 10 | Waltersburg: MisU | S | 1,300 | 6 | 1 | 1 | 0 | | AL | | |
| 40 | Hardinsburg: MisU | S | 1,460 | 6 | 3 | 0 | 0 | | AL | | |
| 10 | Cypress: MisU | S | 1,605 | 15 | 1 | 0 | 0 | | AL | | |
| 220 | Bethel: MisU | S | 1,750 | 20 | 13 | 0 | 0 | | A | | |
| 1,120 | Trenton: Ord | L | 2,260 | 17 | 53 | 0 | 0 | 40 | A | Ord | 2,549 |
| 20 | Hardin: MisL | S | 1,840 | x | 1 | 1 | 0 | 1 | x | Ord | 2,600 |
| 1,860 | | | | | 191 | 0 | 0 | 135 | A | Dev | 3,457 |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 1266 | | | 0 | 0 | 0 | x |
| 1267 | | | 29,000 | x | 55,000 | x |
| 1268 | | | 0 | x | 0 | x |
| 1269 | | | | | | |
| 1270 | St. Paul: Fayette | 1941 | 0 | 15,000 | 0 | 550,000 |
| 1271 | | | 0 | 15,000 | 0 | 550,000 |
| 1272 | | | 0 | 0 | 0 | 0 |
| 1273 | Ste. Marie: Jasper | 1941 | 21,000 | 37,000 | 126,000 | 834,000 |
| 1274 | Ste. Marie East: Jasper[104] | 1949 | 0 | 0 | 0 | 1,000 |
| 1275 | Ste. Marie West: Jasper | 1949 | 0 | 9,000 | 0 | 97,000 |
| 1276 | | | 0 | x | 0 | x |
| 1277 | | | 0 | x | 0 | x |
| 1278 | Sailor Springs Central: Clay | 1948 | 0 | 0 | 0 | 1,500 |
| 1279 | | | 0 | 0 | 0 | 500 |
| 1280 | | | 0 | 0 | 0 | 1,000 |
| 1281 | Sailor Springs Consolidated: | 1938 | 38,000 | 1,688,000 | 67,000 | 25,896,000 |
| 1282 | Clay, Effingham[118] | | 0 | x | 0 | x |
| 1283 | | | 0 | x | 0 | x |
| 1284 | | | 12,000 | x | 29,000 | x |
| 1285 | | | 0 | x | 0 | x |
| 1286 | | | 11,000 | x | 20,000 | x |
| 1287 | | | 0 | x | 0 | x |
| 1288 | | | x | x | x | x |
| 1289 | | | x | x | x | x |
| 1290 | | | | | | |
| 1291 | Sailor Springs East: Clay[105] | 1944 | 0 | 0 | 0 | 62,000 |
| 1292 | | | 0 | 0 | 0 | 62,000 |
| 1293 | | | 0 | 0 | 0 | 0 |
| 1294 | Sailor Springs North: Clay[106] | 1948 | 0 | 1,000 | 0 | 2,000 |
| 1295 | | | 0 | 0 | 0 | 500 |
| 1296 | | | 0 | 1,000 | 0 | 1,500 |
| 1297 | Salem Consolidated: Marion, | 1938 | 5,523,000 | 7,610,000 | 9,007,000 | 245,824,000 |
| 1298 | Jefferson | | 4,606,000 | x | 6,906,000 | x |
| 1299 | | | 120,000 | x | 283,000 | x |
| 1300 | | | | x | | x |
| 1301 | | | 0 | x | 0 | x |
| 1302 | | | 6,000 | x | 62,000 | x |
| 1303 | | | 701,000 | x | 1,433,000 | x |
| 1304 | | | 0 | x | 0 | x |
| 1305 | | | 0 | x | 0 | x |
| 1306 | | | 85,000 | x | 323,000 | x |
| 1307 | | | 0 | x | 0 | x |
| 1308 | | | | | | |
| 1309 | Samsville: Edwards[107] | 1942 | 0 | 0 | 0 | 1,000 |
| 1310 | Samsville North: Edwards | 1945 | 3,000 | 14,000 | 3,000 | 208,000 |
| 1311 | Samsville Northwest: Edwards | 1955 | 0 | 3,000 | 0 | 3,000 |
| 1312 | Samsville West: Edwards | 1951 | 0 | 9,000 | 0 | 124,000 |
| 1313 | | | 0 | x | 0 | x |
| 1314 | | | 0 | x | 0 | x |
| 1315 | | | 0 | x | 0 | x |
| 1316 | Sandoval West: Clinton | 1946 | 0 | 1,000 | 0 | 24,000 |
| 1317 | Santa Fe: Clinton[108] | 1944 | 0 | 0 | 0 | 2,000 |
| 1318 | Schnell: Richland | 1938 | 0 | 4,000 | 0 | 237,000 |
| 1319 | Schnell East: Richland[109] | 1954 | 0 | 0 | 0 | 500 |
| 1320 | Schnell South: Clay | 1951 | 0 | 1,000 | 0 | 10,000 |
| 1321 | Seminary: Richland | 1945 | 6,000 | 13,000 | 14,000 | 199,000 |
| 1322 | Sesser: Franklin | 1942 | 0 | 88,000 | 0 | 923,000 |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1955 | | | | | |
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | Completed | Abandoned | Producing end of year | | Name | Depth of hole (ft.) |
| 10 | Golconda: MisU[28] | L | 1,555 | 15 | 0 | 0 | 0 | | A | | |
| 1,860 | Cypress: MisU | S | 1,580 | 16 | 189 | 0 | 0 | | A | | |
| 20 | Rosiclare: MisL | L | 1,860 | 16 | 1 | 0 | 0 | | A | | |
| | [1] | | | | 1 | 0 | 0 | | | | |
| 260 | | | | | 18 | 0 | 0 | 14 | A | Dev | 3,570 |
| 240 | Bethel: MisU | S | 1,900 | 9 | 17 | 0 | 0 | | A | | |
| 20 | Rosiclare: MisL | L | 2,080 | 6 | 1 | 0 | 0 | | A | | |
| 800 | McClosky: MisL | L | 2,860 | 8 | 25 | 0 | 0 | 17 | AC | MisL | 3,034 |
| 80 | McClosky: MisL | L | 2,685 | 10 | 4 | 0 | 0 | 0 | MC | MisL | 3,018 |
| 80 | | | | | 4 | 0 | 0 | 4 | M | MisL | 2,968 |
| 10 | Aux Vases: MisU[28] | S | 2,720 | 25 | 0 | 0 | 0 | | ML | | |
| 80 | McClosky: MisL | L | 2,815 | 6 | 4 | 0 | 0 | | MC | | |
| 40 | | | | | 3 | 1 | 1 | 0 | M | Mis | 3,128 |
| 20 | Tar Springs: MisU | S | 2,330 | 6 | 2 | 1 | 1 | | ML | | |
| 20 | Rosiclare: MisL | L | 3,015 | 4 | 1 | 0 | 0 | | MC | | |
| 13,000 | | | | | 820 | 65 | 17 | 691 | A | MisL | 3,460 |
| 700 | Tar Springs: MisU | S | 2,340 | 12 | 46 | 0 | 0 | | A | | |
| 10 | Glen Dean: MisU[28] | L | 2,390 | 8 | 0 | 0 | 0 | | A | | |
| 7,800 | Cypress: MisU | S | 2,550 | 12 | 426 | 38 | 4 | | A | | |
| 330 | Bethel: MisU | S | 2,740 | 20 | 17 | 2 | 2 | | A | | |
| 700 | Aux Vases: MisU | S | 2,825 | 13 | 53 | 12 | 2 | | A | | |
| 240 | Ohara: MisL | OL | 2,900 | 6 | 4 | 0 | 0 | | A | | |
| 1,500 | Rosiclare: MisL | LS | 2,900 | 8 | 54 | 3 | 3 | | A | | |
| 3,800 | McClosky: MisL | OL | 2,925 | 8 | 162 | 0 | 6 | | A | | |
| | [1] | | | | 58 | 10 | 0 | | | | |
| 110 | | | | | 10 | 1 | 0 | 1 | D | MisL | 3,168 |
| 90 | Cypress: MisU | S | 2,695 | 8 | 9 | 0 | 0 | | D | | |
| 20 | McClosky: MisL | L | 3,020 | 7 | 1 | 1 | 0 | | D | | |
| 60 | | | | | 3 | 1 | 0 | 1 | M | MisL | 3,126 |
| 20 | Rosiclare: MisL | L | 2,985 | 2 | 1 | 0 | 0 | | MC | | |
| 20 | McClosky: MisL | L | 3,030 | 2 | 2 | 1 | 0 | | MC | | |
| 14,400 | | | | | 2,759 | 19 | 10 | 2,194 | A | St. Peter | 5,655 |
| x | Bethel: MisU | S | 1,780 | 40 | 599 | 1 | 0 | | A | | |
| x | Renault: MisU[23] | S | x | x | 0 | 0 | 0 | | A | | |
| x | Aux Vases: MisU | S | 1,825 | 40 | 154 | 0 | 0 | | A | | |
| x | Ohara: MisL | L | 2,075 | 3 | 2 | 0 | 0 | | A | | |
| x | Rosiclare: MisL | LS | 2,100 | 15 | 132 | 11 | 3 | | A | | |
| x | McClosky: MisL | L | 2,050 | 17 | 586 | 2 | 5 | | A | | |
| x | St. Louis: MisL[28] | L | 2,100 | x | 0 | 0 | 0 | | A | | |
| x | Salem: MisL | L | 2,160 | 17 | 8 | 0 | 0 | | A | | |
| 5,860 | Devonian: Dev | L | 3,440 | 40 | 541 | 0 | 0 | | A | | |
| 2,160 | Trenton: Ord | L | 4,500 | 50 | 2 | 0 | 0 | | A | | |
| | [1] | | | | 735 | 5 | 2 | | | | |
| 30 | Waltersburg: MisU | S | 2,420 | 7 | 3 | 0 | 0 | 0 | A | MisL | 3,303 |
| 180 | Paint Creek-Bethel: MisU | S | 2,900 | 6 | 16 | 2 | 0 | 6 | A | MisL | 3,220 |
| 20 | Ohara: MisL | L | 3,190 | 4 | 1 | 1 | 0 | 1 | x | MisL | 3,248 |
| 120 | | | | | 5 | 0 | 0 | 5 | x | MisL | 3,425 |
| 60 | Ohara: MisL | L | 3,260 | 6 | 3 | 0 | 0 | | x | | |
| 40 | Rosiclare: MisL[28] | L | 3,275 | 6 | 0 | 0 | 0 | | x | | |
| 40 | McClosky: MisL | L | 3,275 | 6 | 2 | 0 | 0 | | x | | |
| 10 | Cypress: MisU | S | 1,420 | 4 | 1 | 0 | 0 | 1 | A | MisU | 1,560 |
| 10 | Cypress: MisU | S | 955 | 10 | 1 | 0 | 0 | 0 | A | Dev | 2,512 |
| 80 | McClosky: MisL | OL | 3,000 | 5 | 4 | 0 | 0 | 2 | AC | MisL | 3,130 |
| 20 | McClosky: MisL | L | 3,115 | 4 | 1 | 0 | 0 | 0 | AC | MisL | 3,150 |
| 60 | Rosiclare: MisL | L | 3,005 | 4 | 3 | 0 | 1 | 1 | AC | MisL | 3,109 |
| 160 | McClosky: MisL | L | 3,195 | 8 | 8 | 0 | 0 | 6 | MC | MisL | 3,330 |
| 450 | | | | | 36 | 2 | 0 | 28 | A | Dev | 4,688 |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 1323 | | | 0 | x | 0 | x |
| 1324 | | | 0 | x | 0 | x |
| 1325 | | | 0 | x | 0 | x |
| 1326 | | | 0 | x | 0 | x |
| 1327 | | | 0 | x | 0 | x |
| 1328 | | | 0 | x | 0 | x |
| 1329 | | | | | | |
| 1330 | Shattuc: Clinton | 1945 | 0 | 28,000 | 0 | 478,000 |
| 1331 | | | 0 | x | 0 | x |
| 1332 | | | 0 | x | 0 | x |
| 1333 | | | 0 | x | 0 | x |
| 1334 | Shawneetown: Gallatin[110] | 1945 | 0 | 1,000 | 0 | 1,000 |
| 1335 | | | 0 | x | 0 | x |
| 1336 | | | 0 | x | 0 | x |
| 1337 | | | 0 | x | 0 | x |
| 1338 | | | 0 | 0 | 0 | 500 |
| 1339 | | | | | | |
| 1340 | Shawneetown East: Gallatin | 1952 | 0 | 2,000 | 0 | 10,000 |
| 1341 | | | 0 | x | 0 | x |
| 1342 | | | 0 | 1,000 | 0 | 1,000 |
| 1343 | | | 0 | 2,000 | 0 | 10,000 |
| 1344 | Shawneetown North: Gallatin[111] | 1948 | 0 | 18,000 | 0 | 25,000 |
| 1345 | | | 0 | 18,000 | 0 | 18,000 |
| 1346 | | | 0 | 0 | 0 | 6,000 |
| 1347 | Shelbyville: Shelby | 1946 | 0 | 2,000 | 0 | 24,000 |
| 1348 | Shelbyville East: Shelby[112] | 1952 | 0 | 0 | 0 | 2,000 |
| 1349 | Sorento: Bond[113] | 1938 | 0 | 184,000 | 0 | 220,000 |
| 1350 | Sparta South: Randolph[114] | 1949 | 0 | 0 | 0 | 0 |
| 1351 | Stanford South: Clay | 1946 | 197,000 | 200,000 | 275,000 | 595,000 |
| 1352 | | | 197,000 | x | 275,000 | x |
| 1353 | | | 0 | x | 0 | x |
| 1354 | Staunton: Macoupin | 1952 | 0 | 500 | 0 | 1,000 |
| 1355 | Staunton West: Macoupin | 1954 | 0 | 500 | 0 | 500 |
| 1356 | Stewardson: Shelby | 1939 | 0 | 9,000 | 0 | 152,000 |
| 1357 | Storms Consolidated: White[5] | 1939 | 0 | 254,000 | 0 | 7,780,000 |
| 1358 | | | 0 | x | 0 | x |
| 1359 | | | 0 | x | 0 | x |
| 1360 | | | 0 | x | 0 | x |
| 1361 | | | 0 | x | 0 | x |
| 1362 | | | 0 | x | 0 | x |
| 1363 | | | 0 | x | 0 | x |
| 1364 | | | 0 | x | 0 | x |
| 1365 | | | 0 | x | 0 | x |
| 1366 | | | | | | |
| 1367 | Stringtown: Richland | 1941 | 9,000 | 50,000 | 28,000 | 1,329,000 |
| 1368 | Stringtown East: Richland[115] | 1948 | 0 | 0 | 0 | 2,000 |
| 1369 | Stubblefield South: Bond | 1955 | 0 | x | 0 | x |
| 1370 | Sumner: Lawrence | 1944 | 0 | 0 | 0 | 16,000 |
| 1371 | Sumpter: White | 1945 | 0 | 22,000 | 0 | 142,000 |
| 1372 | | | 0 | x | 0 | x |
| 1373 | | | 0 | x | 0 | x |
| 1374 | | | 0 | x | 0 | x |
| 1375 | | | | | | |
| 1376 | Sumpter East: White | 1951 | 0 | 153,000 | 0 | 470,000 |
| 1377 | | | 0 | x | 0 | x |
| 1378 | | | 0 | x | 0 | x |
| 1379 | | | 0 | x | 0 | x |
| 1380 | | | 0 | x | 0 | x |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | 1955 Completed | 1955 Abandoned | 1955 Producing end of year | | Name | Depth of hole (ft.) |
| 20 | Cypress: MisU | S | 2,455 | 5 | 2 | 0 | 0 | | AL | | |
| 120 | Renault: MisU | L | 2,960 | 10 | 10 | 0 | 0 | | AC | | |
| 200 | Aux Vases: MisU | S | 2,700 | 10 | 15 | 2 | 0 | | AL | | |
| 80 | Rosiclare: MisL | L | 2,810 | 10 | 2 | 0 | 0 | | AC | | |
| 100 | McClosky: MisL | L | 2,840 | 5 | 2 | 0 | 0 | | AC | | |
| 60 | Clear Creek: Dev | L | 4,360 | x | 2 | 0 | 0 | | AC | | |
| | 1 | | | | 3 | 0 | 0 | | | | |
| 340 | | | | | 28 | 0 | 0 | 25 | A | Ord | 4,078 |
| 160 | Cypress: MisU | S | 1,280 | 7 | 12 | 0 | 0 | | AL | | |
| 10 | Bethel: MisU | S | 1,420 | 13 | 1 | 0 | 0 | | AL | | |
| 240 | Trenton: Ord | L | 4,020 | 13 | 15 | 0 | 0 | | A | | |
| 30 | | | | | 3 | 2 | 0 | 2 | M | MisL | 2,837 |
| 10 | Palestine: MisU[28] | S | 1,720 | 28 | 0 | 0 | 0 | | M | | |
| 10 | Waltersburg: MisU[28] | S | 1,900 | 12 | 0 | 0 | 0 | | M | | |
| 20 | Tar Springs: MisU | S | 1,960 | x | 1 | 1 | 0 | | M | | |
| 10 | Aux Vases: MisU | S | 2,650 | 10 | 1 | 0 | 0 | | MF | | |
| | 1 | | | | 1 | 1 | 0 | | | | |
| 30 | | | | | 3 | 2 | 0 | 3 | x | MisL | 2,830 |
| 10 | Waltersburg: MisU | S | 1,855 | 10 | 1 | 1 | 0 | | x | | |
| 10 | Bethel: MisU | S | 2,480 | x | 1 | 1 | 0 | | x | | |
| 10 | Aux Vases: MisU | S | 2,660 | 9 | 1 | 0 | 0 | | x | | |
| 50 | | | | | 4 | 3 | 0 | 3 | MF | MisL | 3,091 |
| 30 | Aux Vases: MisU | S | 2,750 | 20 | 3 | 3 | 0 | | MF | | |
| 20 | McClosky: MisL | L | 3,045 | 6 | 1 | 0 | 0 | | MF | | |
| 60 | Aux Vases: MisU | S | 1,860 | 15 | 5 | 0 | 0 | 1 | A | MisL | 3,119 |
| 10 | Aux Vases: MisU | S | 1,810 | 8 | 1 | 0 | 1 | 0 | AL | MisL | 3,301 |
| 270 | Lingle: Dev | S | 1,850 | 4 | 20 | 13 | 0 | 14 | A | Ord | 2,680 |
| 10 | Cypress: MisU | S | 880 | 8 | 1 | 0 | 0 | 0 | A | MisU | 900 |
| 240 | | | | | 20 | 2 | 0 | 14 | A | MisL | 3,247 |
| 160 | Aux Vases: MisU | S | 2,970 | 12 | 15 | 2 | 0 | | AL | | |
| 100 | McClosky: MisL | L | 3,090 | 3 | 5 | 0 | 0 | | AC | | |
| 10 | Pennsylvanian: Pen | S | 515 | 11 | 1 | 0 | 0 | 1 | A | Ord | 2,371 |
| 10 | Pennsylvanian: Pen | S | 505 | 10 | 1 | 0 | 0 | 1 | x | Pen | 535 |
| 60 | Aux Vases: MisU | S | 1,945 | 9 | 6 | 0 | 0 | 5 | A | MisL | 2,138 |
| 3,340 | | | | | 223 | 5 | 1 | 162 | AM | MisL | 3,267 |
| 30 | Degonia: MisU | S | 1,990 | 7 | 1 | 0 | 1 | | Mf | | |
| 10 | Clore: MisU[28] | S | 2,035 | 8 | 0 | 0 | 0 | | Mf | | |
| 2,120 | Waltersburg: MisU | S | 2,230 | 15 | 196 | 2 | 0 | | AL | | |
| 70 | Tar Springs: MisU | S | 2,340 | 10 | 4 | 0 | 0 | | Mf | | |
| 80 | Cypress: MisU | S | 2,700 | 10 | 4 | 1 | 0 | | Mf | | |
| 10 | Bethel: MisU | S | 2,810 | x | 1 | 0 | 0 | | Mf | | |
| 100 | Aux Vases: MisU | S | 2,900 | 10 | 6 | 1 | 0 | | Mf | | |
| 120 | Ste. Genevieve: MisL | L | 3,055 | 5 | 6 | 1 | 0 | | MC | | |
| | 1 | | | | 6 | 0 | 0 | | | | |
| 800 | Ste. Genevieve: MisL | OL | 3,025 | 8 | 32 | 0 | 1 | 26 | AC | MisL | 3,401 |
| 20 | McClosky: MisL | L | 3,010 | 4 | 1 | 0 | 0 | 0 | x | MisL | 3,144 |
| 10 | Cypress: MisU | S | 985 | 4 | 1 | 1 | 0 | 1 | x | Dev | 2,455 |
| 40 | McClosky: MisL | L | 2,260 | 4 | 2 | 0 | 0 | 0 | MC | MisL | 2,365 |
| 120 | | | | | 11 | 0 | 0 | 9 | A | MisL | 3,379 |
| 80 | Tar Springs: MisU | S | 2,575 | 18 | 6 | 0 | 0 | | Af | | |
| 10 | Hardinsburg: MisU | S | 2,655 | 14 | 1 | 0 | 0 | | Af | | |
| 40 | Cypress: MisU | S | 2,860 | 15 | 3 | 0 | 0 | | Af | | |
| | 1 | | | | 1 | 0 | 0 | | | | |
| 400 | | | | | 29 | 0 | 1 | 27 | A | MisL | 3,305 |
| 20 | Cypress: MisU | S | 2,795 | 16 | 2 | 0 | 1 | | AL | | |
| 200 | Aux Vases: MisU | S | 3,020 | 15 | 10 | 0 | 0 | | AL | | |
| 120 | Ohara: MisL | L | 3,115 | 12 | 3 | 0 | 0 | | AC | | |
| 200 | Rosiclare: MisL | L | 3,140 | 4 | 4 | 0 | 0 | | AC | | |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 1381 | | | 0 | x | 0 | x |
| 1382 | | | | | | |
| 1383 | Sumpter North: White | 1952 | 0 | 79,000 | 0 | 119,000 |
| 1384 | Sumpter South: White | 1948 | 0 | 13,000 | 0 | 135,000 |
| 1385 | Sumpter West: White | 1952 | 0 | 3,000 | 0 | 11,000 |
| 1386 | Tamaroa: Perry[5] | 1942 | 0 | 20,000 | 0 | 167,000 |
| 1387 | Taylor Hill: Franklin | 1949 | 0 | 5,000 | 0 | 34,000 |
| 1388 | Thackeray: Hamilton | 1944 | 0 | 123,000 | 0 | 2,527,000 |
| 1389 | | | 0 | 2,000 | 0 | 2,000 |
| 1390 | | | 0 | x | 0 | x |
| 1391 | | | 0 | x | 0 | x |
| 1392 | | | 0 | x | 0 | x |
| 1393 | | | | | | |
| 1394 | Thompsonville: Franklin[116] | 1940 | 0 | 0 | 0 | 285,000 |
| 1395 | Thompsonville East: Franklin | 1949 | 13,000 | 27,000 | 11,000 | 223,000 |
| 1396 | Thompsonville North: Franklin | 1944 | 18,000 | 42,000 | 19,000 | 1,577,000 |
| 1397 | | | 0 | 0 | 0 | x |
| 1398 | | | 0 | 42,000 | 0 | x |
| 1399 | Tilden: Randolph | 1952 | 0 | 300,000 | 0 | 1,591,000 |
| 1400 | Toliver East: Clay | 1943 | 0 | 4,000 | 0 | 206,000 |
| 1401 | | | 0 | x | 0 | x |
| 1402 | | | 0 | 1,000 | 0 | 12,000 |
| 1403 | | | 0 | 3,000 | 0 | 194,000 |
| 1404 | Toliver South: Clay | 1953 | 0 | 4,000 | 0 | 9,000 |
| 1405 | Tonti: Marion | 1938 | 26,000 | 194,000 | 36,000 | 10,563,000 |
| 1406 | | | 26,000 | x | 36,000 | x |
| 1407 | | | 0 | x | 0 | x |
| 1408 | | | 0 | x | 0 | x |
| 1409 | | | 0 | x | 0 | x |
| 1410 | | | 0 | x | 0 | x |
| 1411 | | | | | | |
| 1412 | Tovey: Christian | 1955 | 0 | 1,000 | 0 | 1,000 |
| 1413 | Trumbull: White | 1944 | 0 | 68,000 | 0 | 724,000 |
| 1414 | | | 0 | x | 0 | x |
| 1415 | | | 0 | x | 0 | x |
| 1416 | | | 0 | x | 0 | x |
| 1417 | | | 0 | x | 0 | x |
| 1418 | | | 0 | x | 0 | x |
| 1419 | | | | | | |
| 1420 | Trumbull West: White | 1953 | 0 | 1,000 | 0 | 3,000 |
| 1421 | Valier: Franklin | 1942 | 0 | 0 | 0 | 2,000 |
| 1422 | Waggoner: Montgomery | 1940 | 0 | x | 0 | 11,000 |
| 1423 | Wakefield: Jasper[117] | 1946 | 0 | 0 | 0 | 2,000 |
| 1424 | Wakefield North: Jasper | 1953 | 0 | 2,000 | 0 | 17,000 |
| 1425 | Wakefield South: Jasper | 1955 | 0 | 0 | 0 | 0 |
| 1426 | Walpole: Hamilton | 1941 | 0 | 137,000 | 0 | 5,647,000 |
| 1427 | | | 0 | x | 0 | x |
| 1428 | | | 0 | x | 0 | x |
| 1429 | | | 0 | 2,000 | 0 | 6,000 |
| 1430 | Walpole South: Hamilton | 1951 | 0 | 11,000 | 0 | 102,000 |
| 1431 | Waltonville: Jefferson | 1943 | 0 | 3,000 | 0 | 101,000 |
| 1432 | Wamac East: Marion | 1952 | 0 | 4,000 | 0 | 15,000 |
| 1433 | Waverly: Morgan[5] | 1946 | 0 | 0 | 0 | 0 |
| 1434 | Weaver: Clark | 1949 | 0 | 131,000 | 0 | 1,193,000 |
| 1435 | | | 0 | x | 0 | x |
| 1436 | | | 0 | x | 0 | x |
| 1437 | West Frankfort: Franklin | 1941 | 0 | 117,000 | 0 | 2,782,000 |
| 1438 | | | 0 | x | 0 | x |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1955 | | | | | |
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | Completed | Abandoned | Producing end of year | | Name | Depth of hole (ft.) |
| 40 | McClosky: MisL | L | 3,150 | 5 | 1 | 0 | 0 | | AC | | |
| | 1 | | | | 9 | 0 | 0 | | | | |
| 120 | Aux Vases: MisU | S | 3,185 | 3 | 11 | 7 | 0 | 10 | NL | MisL | 3,425 |
| 110 | Tar Springs: MisU | S | 2,580 | 8 | 9 | 0 | 0 | 9 | Af | MisL | 3,430 |
| 10 | Aux Vases: MisU | S | 3,165 | 5 | 1 | 0 | 0 | 1 | NL | MisL | 3,336 |
| 150 | Cypress: MisU | S | 1,120 | 13 | 14 | 0 | 0 | 11 | AL | MisL | 1,630 |
| 60 | Ohara: MisL | L | 3,055 | 4 | 3 | 0 | 0 | 2 | x | MisL | 3,227 |
| 660 | | | | | 59 | 3 | 0 | 52 | A | MisL | 3,660 |
| 10 | Cypress: MisU | S | 3,030 | 24 | 1 | 1 | 0 | | A | | |
| 640 | Aux Vases: MisU | S | 3,360 | 15 | 55 | 2 | 0 | | AL | | |
| x | Ohara: MisL[23] | L | 3,435 | 5 | 0 | 0 | 0 | | AC | | |
| x | McClosky: MisL | L | 3,500 | 10 | 1 | 0 | 0 | | AC | | |
| | 1 | | | | 2 | 1 | 0 | | | | |
| 240 | McClosky: MisL | L | 3,120 | 10 | 19 | 0 | 0 | 0 | A | MisL | 3,455 |
| 80 | Aux Vases: MisU | S | 3,150 | 8 | 8 | 2 | 0 | 8 | ML | MisL | 3,371 |
| 550 | | | | | 71 | 0 | 0 | 50 | A | MisL | 3,365 |
| 20 | Cypress: MisU | S | 2,750 | 10 | 1 | 0 | 0 | | AL | | |
| 540 | Aux Vases: MisU | S | 3,100 | 20 | 70 | 0 | 0 | | AL | | |
| 500 | Silurian: Sil | L | 2,160 | 60 | 24 | 2 | 0 | 24 | R | Ord | 3,093 |
| 90 | | | | | 5 | 1 | 0 | 5 | M | MisL | 2,965 |
| 10 | Cypress: MisU | S | 2,510 | 14 | 1 | 1 | 0 | | M | | |
| 20 | Rosiclare: MisL | L | 2,815 | 6 | 1 | 0 | 0 | | MC | | |
| 60 | McClosky: MisL | OL | 2,840 | 8 | 3 | 0 | 0 | | MC | | |
| 10 | Aux Vases: MisU | S | 2,765 | x | 1 | 0 | 0 | 1 | MC | MisL | 2,880 |
| 670 | | | | | 95 | 0 | 0 | 79 | D | Ord | 4,900 |
| x | Bethel: MisU | S | 1,930 | 20 | 9 | 0 | 0 | | D | | |
| x | Aux Vases: MisU | S | 2,005 | 30 | 16 | 0 | 0 | | D | | |
| x | Rosiclare: MisL | LS | 2,125 | 12 | 1 | 0 | 0 | | D | | |
| x | McClosky: MisL | OL | 2,130 | 15 | 56 | 0 | 0 | | D | | |
| 80 | Devonian: Dev | L | 3,500 | 7 | 7 | 0 | 0 | | R | | |
| | 1 | | | | 6 | 0 | 0 | | | | |
| 20 | Silurian: Sil | L | 1,850 | 10 | 1 | 1 | 0 | 1 | x | Sil | 1,881 |
| 460 | | | | | 34 | 3 | 1 | 23 | A | MisL | 3,462 |
| 140 | Cypress: MisU | S | 2,845 | 10 | 13 | 2 | 0 | | A | | |
| 110 | Aux Vases: MisU | S | 3,170 | 9 | 8 | 0 | 0 | | A | | |
| 40 | Ohara: MisL[23] | L | 3,230 | 15 | 0 | 0 | 0 | | AC | | |
| 60 | Rosiclare: MisL | L | 3,270 | 6 | 1 | 0 | 0 | | AC | | |
| 220 | McClosky: MisL | L | 3,290 | 5 | 9 | 0 | 1 | | AC | | |
| | 1 | | | | 3 | 1 | 0 | | | | |
| 10 | Aux Vases: MisU | S | 3,120 | x | 1 | 0 | 0 | 1 | x | MisL | 3,330 |
| 20 | McClosky: MisL | L | 2,715 | 12 | 1 | 0 | 0 | 0 | ML | MisL | 2,725 |
| 40 | Pottsville: Pen | S | 610 | 10 | 4 | 0 | 0 | 0 | x | Dev | 1,893 |
| 40 | Rosiclare: MisL | L | 3,100 | 5 | 2 | 0 | 0 | 0 | x | MisL | 3,207 |
| 20 | McClosky: MisL | L | 3,000 | 6 | 1 | 0 | 0 | 1 | x | MisL | 3,204 |
| 20 | McClosky: MisL | L | 3,040 | 4 | 1 | 1 | 1 | 0 | x | | |
| 1,740 | | | | | 98 | 0 | 1 | 93 | A | MisL | 3,390 |
| 90 | Tar Springs: MisU | S | 2,465 | 15 | 6 | 0 | 0 | | AL | | |
| 1,640 | Aux Vases: MisU | S | 3,070 | 20 | 91 | 0 | 1 | | A | | |
| 20 | Rosiclare: MisL | L | 3,195 | 7 | 1 | 0 | 0 | | AC | | |
| 20 | Aux Vases: MisU | S | 3,120 | 6 | 2 | 0 | 0 | 2 | AL | MisL | 3,362 |
| 40 | Bethel: MisU | S | 2,460 | 9 | 4 | 0 | 0 | 3 | A | MisL | 2,905 |
| 40 | Wilson: Pen | S | 845 | 15 | 4 | 0 | 0 | 4 | ML | MisL | 2,216 |
| 20 | Devonian-Silurian | L | 1,020 | 10 | 1 | 0 | 0 | 0 | A | Ord | 1,534 |
| 680 | | | | | 38 | 0 | 1 | 29 | R | Dev | 2,135 |
| 20 | Cole: MisL | L | 1,565 | 5 | 1 | 0 | 0 | | D | | |
| 680 | Devonian: Dev | L | 2,030 | 10 | 37 | 0 | 1 | | R | | |
| 1,040 | | | | | 70 | 4 | 1 | 63 | A | MisL | 3,156 |
| 470 | Tar Springs: MisU | S | 2,060 | 20 | 35 | 0 | 0 | | A | | |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 1439 | | | 0 | x | 0 | x |
| 1440 | | | 0 | x | 0 | x |
| 1441 | | | 0 | x | 0 | x |
| 1442 | | | 0 | x | 0 | x |
| 1443 | | | | | | |
| 1444 | Westfield East: Clark | 1947 | 0 | x | 0 | x |
| 1445 | Westfield North: Coles | 1949 | 0 | 0 | 0 | 400 |
| 1446 | | | 0 | 0 | 0 | 400 |
| 1447 | | | 0 | 0 | 0 | 0 |
| 1448 | Whittington: Franklin | 1939 | 0 | 189,000 | 0 | 653,000 |
| 1449 | | | 0 | x | 0 | x |
| 1450 | | | 0 | x | 0 | x |
| 1451 | | | 0 | x | 0 | x |
| 1452 | | | 0 | x | 0 | x |
| 1453 | | | 0 | x | 0 | x |
| 1454 | | | 0 | x | 0 | x |
| 1455 | | | 0 | x | 0 | x |
| 1456 | | | | | | |
| 1457 | Whittington South: Franklin | 1950 | 0 | 29,000 | 0 | 273,000 |
| 1458 | Whittington West: Franklin | 1943 | 0 | 7,000 | 0 | 195,000 |
| 1459 | | | 0 | x | 0 | x |
| 1460 | | | 0 | x | 0 | x |
| 1461 | | | 0 | x | 0 | x |
| 1462 | | | 0 | x | 0 | x |
| 1463 | | | 0 | x | 0 | x |
| 1464 | | | | | | |
| 1465 | Williams Consolidated: Jefferson | 1948 | 0 | 108,000 | 0 | 563,000 |
| 1466 | | | 0 | x | 0 | x |
| 1467 | | | 0 | x | 0 | x |
| 1468 | | | 0 | x | 0 | x |
| 1469 | | | | | | |
| 1470 | Willow Hill East: Jasper | 1946 | 0 | 6,000 | 2,000 | 224,000 |
| 1471 | Woburn Consolidated: Bond | 1940 | 1,000 | 746,000 | 11,000 | 1,841,000 |
| 1472 | | | 0 | x | 0 | x |
| 1473 | | | 1,000 | x | 11,000 | x |
| 1474 | | | 0 | x | 0 | x |
| 1475 | | | 0 | x | 0 | x |
| 1476 | Woodlawn: Jefferson | 1940 | 0 | 367,000 | 0 | 13,895,000 |
| 1477 | | | 0 | x | 0 | x |
| 1478 | | | 0 | x | 0 | x |
| 1479 | | | 0 | x | 0 | x |
| 1480 | | | 0 | x | 0 | x |
| 1481 | | | 0 | x | 0 | x |
| 1482 | | | 0 | x | 0 | x |
| 1483 | | | 0 | x | 0 | x |
| 1484 | Xenia: Clay | 1941 | 0 | 1,000 | 0 | 31,000 |
| 1485 | Xenia East: Clay | 1951 | 0 | 49,000 | 0 | 340,000 |
| 1486 | | | 0 | x | 0 | x |
| 1487 | | | 0 | x | 0 | x |
| 1488 | Zenith: Wayne | 1948 | 0 | 1,000 | 0 | 24,000 |
| 1489 | Zenith North: Wayne | 1951 | 0 | 68,000 | 0 | 688,000 |
| 1490 | | | 0 | x | 0 | x |

(continued)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1955 | | | | | |
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | Completed | Abandoned | Producing end of year | | Name | Depth of hole (ft.) |
| 80 | Aux Vases: MisU | S | 2,710 | 20 | 6 | 4 | 0 | | AL | | |
| 480 | Ohara: MisL | L | 2,760 | 8 | 11 | 0 | 1 | | AC | | |
| 60 | Rosiclare: MisL[28] | L | 2,810 | 8 | 0 | 0 | 0 | | AC | | |
| 280 | McClosky: MisL | L | 2,825 | 14 | 6 | 0 | 0 | | AC | | |
| | 1 | | | | 12 | 0 | 0 | | | | |
| 110 | Pennsylvanian: Pen | S | 400 | 11 | 13 | 0 | 4 | 5 | ML | Pen | 678 |
| 20 | | | | | 2 | 0 | 0 | 0 | x | Pen | 611 |
| 10 | Pleasantview: Pen | S | 275 | 5 | 1 | 0 | 0 | | x | | |
| 10 | Pennsylvanian: Pen | S | 490 | 10 | 1 | 0 | 0 | | x | | |
| 480 | | | | | 31 | 6 | 0 | 27 | A | MisL | 3,130 |
| 80 | Hardinsburg: MisU | S | 2,310 | 10 | 6 | 0 | 0 | | A | | |
| 60 | Cypress: MisU | S | 2,535 | 10 | 5 | 0 | 0 | | A | | |
| 30 | Aux Vases: MisU | S | 2,735 | 15 | 3 | 2 | 0 | | A | | |
| 160 | Ohara: MisL | L | 2,835 | 10 | 8 | 2 | 0 | | AC | | |
| 20 | Rosiclare: MisL | L | 2,880 | 10 | 1 | 0 | 0 | | AC | | |
| 100 | McClosky: MisL | L | 2,870 | 9 | 5 | 2 | 0 | | AC | | |
| 40 | St. Louis: MisL | L | 3,080 | 6 | 1 | 0 | 0 | | AC | | |
| | 1 | | | | 2 | 0 | 0 | | | | |
| 100 | Cypress: MisU | S | 2,580 | 10 | 10 | 0 | 0 | 10 | A | Dev | 4,810 |
| 240 | | | | | 13 | 0 | 0 | 4 | A | MisL | 2,942 |
| 10 | Bethel: MisU | S | 2,615 | 10 | 1 | 0 | 0 | | AL | | |
| 140 | Aux Vases: MisU | S | 2,680 | 15 | 4 | 0 | 0 | | AL | | |
| 100 | Ohara: MisL | L | 2,800 | 5 | 1 | 0 | 0 | | AC | | |
| 20 | Rosiclare: MisL[28] | L | 2,780 | 4 | 0 | 0 | 0 | | AC | | |
| 40 | McClosky: MisL | L | 2,900 | 6 | 1 | 0 | 0 | | AC | | |
| | 1 | | | | 6 | 0 | 0 | | | | |
| 380 | | | | | 39 | 4 | 0 | 38 | A | Dev | 4,578 |
| 170 | Bethel: MisU | S | 2,490 | 10 | 11 | 0 | 0 | | AL | | |
| 260 | Aux Vases: MisU | S | 2,550 | 5 | 25 | 4 | 0 | | AL | | |
| 20 | McClosky: MisL[28] | L | x | x | 0 | 0 | 0 | | AC | | |
| | 1 | | | | 3 | 0 | 0 | | | | |
| 320 | McClosky: MisL | L | 2,645 | 6 | 18 | 0 | 0 | 8 | A | MisL | 3,281 |
| 1,420 | | | | | 106 | 34 | 3 | 92 | A | Ord | 3,279 |
| 220 | Cypress: MisU | S | 865 | 8 | 20 | 0 | 0 | | AL | | |
| 270 | Bethel: MisU | S | 1,020 | 10 | 31 | 1 | 3 | | AL | | |
| 820 | Lingle: Dev | S | 2,275 | 8 | 39 | 33 | 0 | | AC | | |
| 320 | Trenton: Ord | L | 3,170 | 12 | 15 | 0 | 0 | | AC | | |
| 1,980 | | | | | 190 | 2 | 7 | 126 | A | Ord | 5,101 |
| 20 | Tar Springs: MisU[28] | S | x | x | 0 | 0 | 0 | | AL | | |
| 80 | Cypress: MisU | S | 1,800 | 10 | 3 | 0 | 0 | | AL | | |
| 1,900 | Bethel: MisU | S | 1,960 | 25 | 172 | 0 | 7 | | A | | |
| 240 | Aux Vases: MisU[28] | S | 1,975 | 10 | 0 | 0 | 0 | | A | | |
| 300 | Rosiclare: MisL | LS | 2,205 | 15 | 4 | 2 | 0 | | A | | |
| 20 | McClosky: MisL[28] | L | 2,200 | 3 | 0 | 0 | 0 | | A | | |
| 240 | Lingle: Dev | S | 3,690 | 6 | 11 | 0 | 0 | | A | | |
| 10 | Aux Vases: MisU | S | 2,785 | 13 | 1 | 0 | 0 | 1 | A | Dev | 4,698 |
| 160 | | | | | 15 | 0 | 0 | 15 | A | MisL | 3,011 |
| 150 | Cypress: MisU | S | 2,500 | 6 | 14 | 0 | 0 | | AL | | |
| 10 | Bethel: MisU | S | 2,710 | 6 | 1 | 0 | 0 | | AL | | |
| 40 | McClosky: MisL | L | 2,970 | 7 | 2 | 0 | 0 | 1 | AC | MisL | 3,059 |
| 260 | | | | | 13 | 0 | 0 | 13 | N | MisL | 3,210 |
| 240 | Rosiclare: MisL | L | 3,080 | 6 | 8 | 0 | 0 | | NC | | |

TABLE 12.—

| Line No. | Pool: County | Year of discovery | Oil Production (bbls.) | | | |
|---|---|---|---|---|---|---|
| | | | During 1955 | | To End of 1955 | |
| | | | Secondary recovery | Total | Secondary recovery | Total |
| 1491 | | | 0 | x | 0 | x |
| 1492 | | | | | | |
| 1493 | Zenith South: Wayne | 1949 | 0 | 13,000 | 0 | 728,000 |
| 1494 | | | 0 | x | 0 | x |
| 1495 | | | 0 | x | 0 | x |
| 1496 | | | | | | |
| 1497 | Total of fields discovered after January 1, 1937 | | 18,817,000 | 72,016,000 | 56,635,000 | 1,305,301,000 |
| 1498 | Total for Illinois | | 24,580,000 | 81,131,000 | 81,008,000 | 1,836,576,000 |

TABLE 13.—GAS PRODUC-

| Line Number | Pool: county | Year of discovery | Gas Production Million cu. ft. | | Proved area (acres) |
|---|---|---|---|---|---|
| | | | During 1955 | To End of 1955 | |
| 1 | Main: Crawford[6] | 1906 | x | x | x |
| 2 | | | x | x | x |
| 3 | | | 0 | 0 | 160 |
| 4 | | | x | x | 320 |
| 5 | Ava-Campbell Hill: Jackson[6, 9] | 1916 | 0 | x | 370 |
| 6 | Ayers (Gas): Bond[16] | 1922 | 0 | 298.7 | 325 |
| 7 | Gillespie-Benld (Gas): Macoupin[17] | 1923 | 0 | 135.8 | 80 |
| 8 | Greenville (Gas): Bond[18] | 1910 | 0 | 990.0 | 160 |
| 9 | Jacksonville (Gas): Morgan[6, 19] | 1910 | 0 | x | 1,320 |
| 10 | Pittsfield (Gas): Pike[21] | 1886 | 0 | x | 8,960 |
| 11 | Spanish Needle Creek (Gas): Macoupin[22] | 1915 | 0 | 14.4 | 80 |
| 12 | Sparta: Randolph[6, 23] | 1888 | 0 | x | 160 |
| 13 | Staunton (Gas): Macoupin[24] | 1916 | 0 | 1,050.0 | 400 |
| 14 | Total of fields discovered prior to January 1, 1937[27] | | x | 2,506.5 | 12,335 |
| 15 | Albion Consolidated: Edwards, White[6] | 1940 | 0 | 0 | 40 |
| 16 | Beaver Creek South: Clinton, Bond[6] | 1946 | 0 | 0 | 160 |
| 17 | Boulder: Clinton[6] | 1941 | 0 | 0 | 320 |
| 18 | Carlinville North: Macoupin[6, 40] | 1941 | 0 | 0 | 40 |
| 19 | Claremont: Richland[45] | 1950 | 0 | 0 | 160 |
| 20 | Cooks Mills Consolidated: | | | 0 | 160 |
| 21 | Coles[6, 47] | 1941 | 0 | 0 | 120 |
| 22 | | | 0 | 0 | 40 |
| 23 | Dubois: Washington[6] | 1939 | 0 | 0 | 320 |
| 24 | Dudley: Edgar[6] | 1948 | 0 | 0 | 80 |
| 25 | Dudley West: Edgar | 1953 | 0 | 0 | 40 |
| 26 | Eldorado Consol.: Saline[6] | 1941 | 0 | 0 | 80 |
| 27 | | | 0 | 0 | 40 |
| 28 | | | 0 | 0 | 40 |

(concluded)

| Total proved area (acres) | Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Name: Age[a] | Character[b] | Depth to top (ft.) | Av. thickness (ft.) | Completed to end of 1955 | 1955 Completed | 1955 Abandoned | 1955 Producing end of year | | Name | Depth of hole (ft.) |
| 160 | McClosky: MisL | L | 3,140 | 4 | 1 | 0 | 0 | | NC | | |
| | 1 | | | | 4 | 0 | 0 | | | | |
| 280 | | | | | 14 | 0 | 0 | 6 | M | MisL | 3,116 |
| 40 | Ohara: MisL[28] | L | 2,920 | 6 | 0 | 0 | 0 | | MC | | |
| 280 | McClosky: MisL | L | 2,985 | 7 | 12 | 0 | 0 | | MC | | |
| | 1 | | | | 2 | 0 | 0 | | | | |
| 359,090 | | | | | 27,325 | 1765 | 286 | 21,270 | | | |
| 521,200 | | | | | 49,208 | 2102 | 484 | 30,446 | | | |

TION IN ILLINOIS, 1955

| Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name: Age[a] | Character[b] | Depth to top, (ft.) | Av. thickness (ft.) | Completed to end of 1955 | 1955 Completed | 1955 Abandoned | 1955 Producing end of year | | Name | Depth of hole (ft.) |
| | | | | x | 1 | 0 | x | | St. Peter | 4,654 |
| Robinson: Pen | S | 1,000 | x | x | 1 | 0 | | ML | | |
| Hardinsburg: MisU | S | 1,075 | 40 | 1 | 0 | 0 | | ML | | |
| Cypress: MisU | S | 1,425 | 6 | 2 | 0 | 0 | | ML | | |
| Cypress: MisU | S | 780 | 18 | 20 | 0 | 0 | 0 | A | Trenton | 3,582 |
| Bethel: MisU | S | 940 | 5 | 21 | 0 | 0 | 0 | A | Ord | 3,044 |
| Unnamed: Pen | S | 540 | x | 4 | 0 | 0 | 0 | A | Pen | 603 |
| Lindley (1st and 2nd): MisU | S | 925 | x | 4 | 0 | 0 | 0 | A | Dev | 2,373 |
| Gas: Pen, MisL | LS | 330 | 5 | 45 | 0 | 0 | 0 | ML | Ord | 1,390 |
| Niagaran: Sil | L | 265 | 10 | 68 | 0 | 0 | 0 | A | Pre-Cam | 2,226 |
| Unnamed: Pen | S | 305 | x | 7 | 0 | 0 | 0 | D | Trenton | 2,070 |
| Cypress: MisU | S | 850 | 7 | 18 | 0 | 0 | 0 | D | Trenton | 3,130 |
| Unnamed: Pen | S | 460 | x | 18 | 0 | 0 | 0 | A | Ord | 2,371 |
| | | | | 209 | 1 | 0 | x | | | |
| Pennsylvanian: Pen | S | 1,490 | 6 | 1 | 0 | 0 | 0 | MF | Dev | 5,185 |
| Cypress: MisU | S | 1,015 | 20 | 4 | 4 | 0 | 0 | A | Dev | 2,539 |
| Devonian: Dev | L | 2,600 | 7 | 4 | 0 | 0 | 0 | R | Trenton | 3,813 |
| Pottsville: Pen | S | 440 | 10 | 1 | 0 | 0 | 0 | x | Trenton | 1,970 |
| Rosiclare: MisL | L | 3,200 | 5 | 1 | 0 | 0 | 0 | MC | MisL | 3,340 |
| | | | | 4 | 4 | 0 | 0 | A | Dev | 2,888 |
| Cypress: MisU | S | 1,600 | 10 | 3 | 3 | 0 | | A | | |
| Aux Vases: MisU | S | 1,800 | 8 | 1 | 1 | 0 | | A | | |
| Cypress: MisU | S | 1,220 | 10 | 8 | 0 | 0 | 0 | AL | Ord | 4,217 |
| Pennsylvanian: Pen | S | 300 | 20 | 2 | 0 | 0 | 0 | M | St. Peter | 2,997 |
| Gas: Pen | S | 380 | 11 | 1 | 0 | 0 | 0 | x | Pen | 428 |
| | | | | 2 | 2 | 0 | 0 | A | MisL | 3,606 |
| Waltersburg: MisU | S | 2,055 | 20 | 1 | 1 | 0 | | AL | | |
| Tar Springs: MisU | S | 2,225 | 17 | 1 | 1 | 0 | | AL | | |

TABLE 13.—

| Line Number | Pool: county | Year of discovery | Gas Production Million cu. ft. | | Proved area (acres) |
|---|---|---|---|---|---|
| | | | During 1955 | To End of 1955 | |
| 29 | Epworth Consol.: White[6] | 1941 | 0 | 0 | 160 |
| 30 | Fishook: Pike, Adams | 1955 | 0 | 0 | 240 |
| 31 | Grandview: Edgar[6] | 1945 | x | x | 400 |
| 32 | | | x | x | 360 |
| 33 | | | x | x | 40 |
| 34 | Harrisburg: Saline[6] | 1952 | 25.0 | 93.2 | 160 |
| 35 | Herald Consol.: White, Gallatin[6] | 1939 | 117.8 | x | 1,080 |
| 36 | | | 92.8 | x | 360 |
| 37 | | | 0 | x | 120 |
| 38 | | | 0 | x | 120 |
| 39 | | | 25.0 | 591.0 | 480 |
| 40 | Inclose: Edgar, Clark[6] | 1941 | x | x | 320 |
| 41 | Livingston East: Madison | 1951 | 0 | 0 | 40 |
| 42 | Livingston South: Madison[6] | 1950 | 0 | 0 | 40 |
| 43 | Louden: Fayette, Effingham[6] | 1937 | 0 | x | 1,760 |
| 44 | | | 0 | x | 320 |
| 45 | | | 0 | 0.9 | 1,440 |
| 46 | Mt. Olive: Montgomery[6] | 1942 | 0 | 0 | 80 |
| 47 | Omaha: Gallatin[6] | 1940 | 0 | 0 | 120 |
| 48 | Panama: Bond, | 1940 | 0 | x | 280 |
| 49 | Montgomery[6] | | 0 | x | 160 |
| 50 | | | 0 | x | 120 |
| 51 | Prentice: Morgan[6] | 1953 | 0 | 0 | 240 |
| 52 | Redmon North: Edgar | 1955 | 0 | 0 | 40 |
| 53 | Roland Consol.: White, Gallatin[6] | 1940 | 0 | 0 | 160 |
| 54 | Russellville (Gas): Lawrence[6] | 1937 | 0 | 7,081.6 | 1,800 |
| 55 | | | 0 | x | x |
| 56 | | | 0 | x | x |
| 57 | Storms Consol.: White[6] | 1937 | 0 | 0 | 280 |
| 58 | Tamaroa: Perry[6] | 1942 | 0 | 0 | 320 |
| 59 | Waverly: Morgan[6] | 1946 | 0 | 0 | 860 |
| 60 | | | 0 | 0 | 160 |
| 61 | | | 0 | 0 | 700 |
| 62 | Westfield East: Clark[6] | 1947 | 0 | 0 | 40 |
| 63 | Total for fields discovered after January 1, 1937 | | 143.1 | 8,322.0 | 9,820 |
| 64 | Total for Illinois | | 143.1 | 10,828.5 | 22,155 |

(continued)

| Producing Formation | | | | Number of Wells | | | | Structure[c] | Deepest Zone Tested | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1955 | | | | | |
| Name: Age[a] | Character[b] | Depth to top, (ft.) | Av. thickness (ft.) | Completed to end of 1955 | Completed | Abandoned | Producing end of year | | Name | Depth of hole (ft.) |
| Gas: Pen | S | 1,090 | 40 | 1 | 0 | 0 | 0 | Af | MisL | 3,238 |
| Edgewood: Sil | L | 450 | 5 | 6 | 6 | 0 | 0 | x | Sil | 813 |
| | | | | 11 | 0 | 0 | 2 | M | Ord | 2,694 |
| Gas: Pen | S | 400 | x | 10 | 0 | 0 | 2 | ML | | |
| Salem: MisL | L | 570 | 2 | 1 | 0 | 0 | 0 | MC | | |
| Tar Springs: MisU | S | 2,085 | 6 | 1 | 0 | 1 | 0 | x | MisL | 2,789 |
| | | | | 19 | 0 | 2 | 8 | A | MisL | 3,394 |
| Anvil Rock: Pen | S | 700 | 25 | 9 | 0 | 2 | | AL | | |
| Pennsylvanian: Pen | S | 1,750 | 18 | 0 | 0 | 0 | | AL | | |
| Waltersburg: MisU | S | 2,240 | 10 | 3 | 0 | 0 | | A | | |
| Tar Springs: MisU | S | 2,315 | 6 | 4 | 0 | 0 | | AL | | |
| Pennsylvanian: Pen | S | 540 | 12 | 8 | 0 | 0 | 0 | x | Mis | 815 |
| Pennsylvanian: Pen | S | 540 | 12 | 1 | 0 | 0 | 0 | x | MisL | 815 |
| Pennsylvanian: Pen | S | 530 | 2 | 1 | 0 | 0 | 0 | ML | MisL | 845 |
| | | | | 14 | 0 | 0 | 0 | A | St. Peter | 4,680 |
| Burtschi: Pen | S | 1,000 | 20 | 5 | 0 | 0 | | AL | | |
| Tar Springs: MisU | S | 1,170 | 2 | 9 | 0 | 0 | | AL | | |
| Pottsville: Pen | S | 605 | 6 | 2 | 0 | 0 | 0 | A | Pen | 905 |
| Tar Springs: MisU | S | 1,900 | 15 | 2 | 0 | 0 | 0 | D | Mis | 2,941 |
| | | | | 7 | 0 | 0 | 0 | A | Dev | 2,016 |
| Pennsylvanian: Pen | S | 575 | 30 | 4 | 0 | 0 | | A | | |
| Bethel: MisU | S | 865 | 12 | 3 | 0 | 0 | | A | | |
| Pennsylvanian: Pen | S | 260 | 15 | 5 | 1 | 0 | 0 | x | Pen | 325 |
| Pennsylvanian: Pen | S | 365 | 3 | 1 | 1 | 0 | 0 | x | Mis | 450 |
| Waltersburg: MisU | S | 2,150 | 19 | 1 | 0 | 0 | 0 | AL | Dev | 5,225 |
| | | | | 60 | 0 | 0 | 0 | A | Dev | 3,133 |
| Bridgeport: Pen | S | 760 | 15 | 18 | 0 | 0 | | AL | | |
| Buchanan: Pen | S | 1,100 | 12 | 42 | 0 | 0 | | AL | | |
| Waltersburg: MisU | S | 2,230 | 15 | 7 | 0 | 0 | 0 | AL | MisL | 3,267 |
| Cypress: MisU | S | 1,120 | 13 | 2 | 0 | 0 | 0 | AL | MisL | 1,630 |
| | | | | 7 | 0 | 0 | 0 | A | Ord | 2,070 |
| Pennsylvanian: Pen | S | 250 | 13 | 1 | 0 | 0 | | AL | | |
| Devonian: Dev | L | 1,000 | 10 | 6 | 0 | 0 | | A | | |
| Pennsylvanian: Pen | S | 400 | 11 | 1 | 0 | 0 | 0 | ML | Pen | 678 |
| | | | | 185 | 18 | 3 | 10 | | | |
| | | | | 394 | 19 | 4 | 10 | | | |

# PART II

# WATERFLOOD OPERATIONS

PAUL A. WITHERSPOON AND DONALD A. PIERRE

## ABSTRACT

During 1955, waterflooding produced approximately 26,560,000 barrels of oil in Illinois. There were 284 waterfloods reported in operation, and these projects recovered 24,585,000 barrels of oil. An additional 1,978,000 barrels are estimated to have been produced by "dump" flooding. At the end of 1955, the cumulative waterflood recovery was 100,800,000 barrels. Tables of statistics are included in the report.

## INTRODUCTION

This report is the result of a joint effort by the Illinois State Geological Survey and the Illinois Secondary Recovery and Pressure Maintenance Study Committee of the Interstate Oil Compact Commission. The following persons were appointed to the study committee by Governor William G. Stratton to assist in the compilation of data on the waterflood and pressure maintenance projects that were in operation in Illinois during 1955.

Paul A. Witherspoon, Chairman
Illinois State Geological Survey
Urbana, Illinois

Frederick Squires, honorary member
(Deceased)

R. N. Ayars
The Ohio Oil Company
Terre Haute, Indiana

Hugh S. Barger
Barger Engineering
Evansville, Indiana

A. H. Bell
Illinois State Geological Survey
Urbana, Illinois

J. S. Bottler
Carter Oil Company
Mattoon, Illinois

Paul Phillippi
Forest Oil Corporation
Casey, Illinois

Mark Plummer
The Pure Oil Company
Olney, Illinois

C. E. Skiles
Skiles Oil Corporation
Mt. Carmel, Illinois

W. G. Sole
Magnolia Petroleum Company
Salem, Illinois

Allen Calvert
Calvert Drilling Company
Olney, Illinois

W. H. Davison
Tekoil Corporation
Robinson, Illinois

R. E. Dunn
Walter Duncan Oil Properties
Mt. Vernon, Illinois

C. E. Brehm
Box 368
Mt. Vernon, Illinois

Robert Bulla
Calvan American, Inc.
Robinson, Illinois

T. F. Lawry
Mahutska Oil Company
Robinson, Illinois

R. W. Love
The Texas Company
Salem, Illinois

E. A. Milz
Shell Oil Company
Centralia, Illinois

Fred A. Noah
The Noah Petroleum Company
Albion, Illinois

T. W. George
George & Wrather
Mt. Carmel, Illinois

C. H. Kallenberger
The Texas Company
Salem, Illinois

Harry F. Swannack
Gulf Refining Company
Centralia, Illinois

Carl R. Temple
Sohio Petroleum Company
Centralia, Illinois

R. R. Vincent
C. L. McMahon, Inc.
Evansville, Indiana

R. A. Wilson
Tide Water Associated Oil Company
Robinson, Illinois

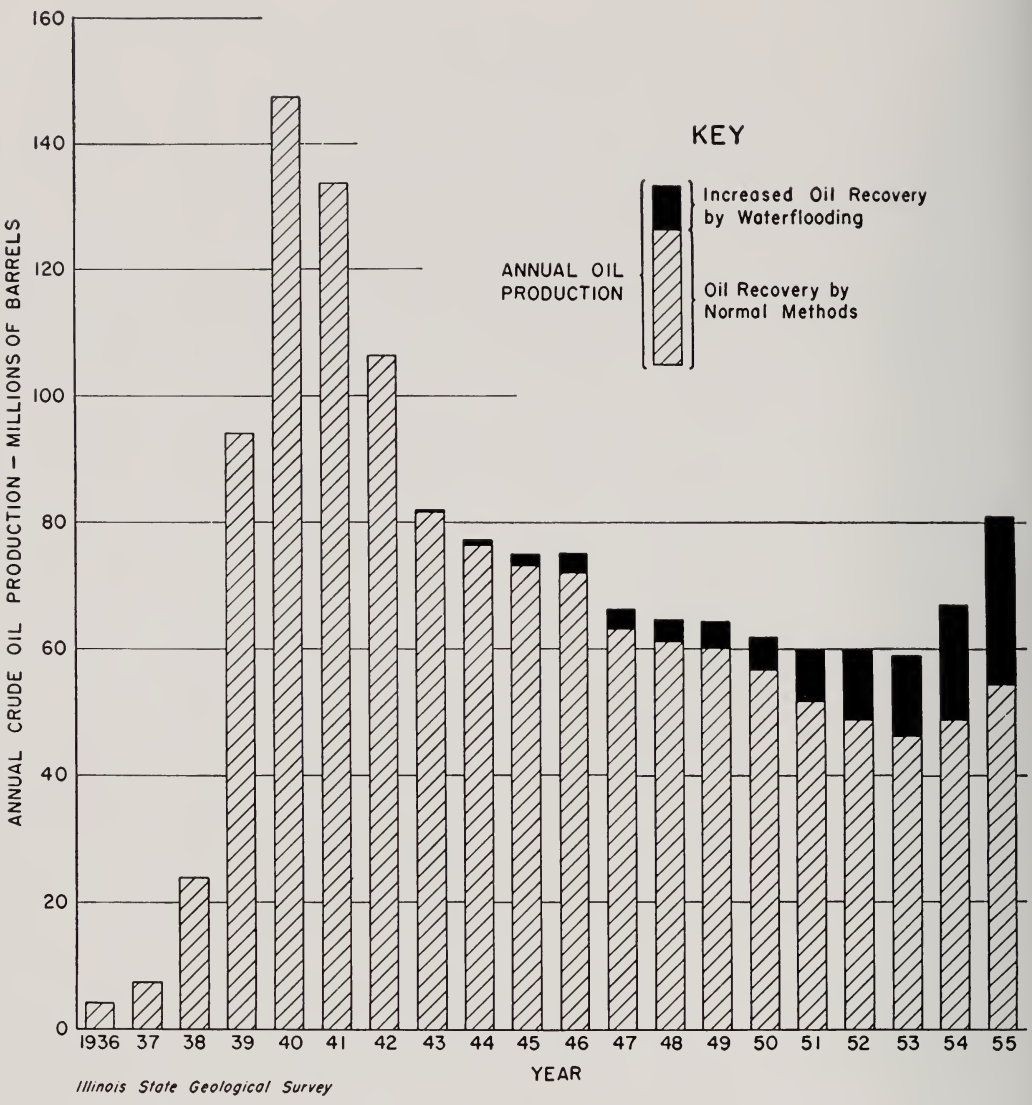



FIG. 25.—Annual crude oil production in Illinois.

In order to collect information on water injection and pressure maintenance projects, the study committee met in Robinson, Illinois, and set up a questionnaire on January 13, 1955. The Geological Survey sent the questionnaire to all waterflood operators in Illinois and compiled the data returned.

This report supplements six previous summaries of waterflood operations listed below.

(1) "Summary of Water Flooding Operations in Illinois, 1950," which reported operations during 1949. Published by Interstate Oil Compact Commission and reprinted by Illinois State Geological Survey as Circular 165.

(2) "Summary of Water Flooding Operations in Illinois to 1951," which reported operations during 1950. Published by Interstate Oil Compact Commission and reprinted by Illinois State Geological Survey as Circular 176.

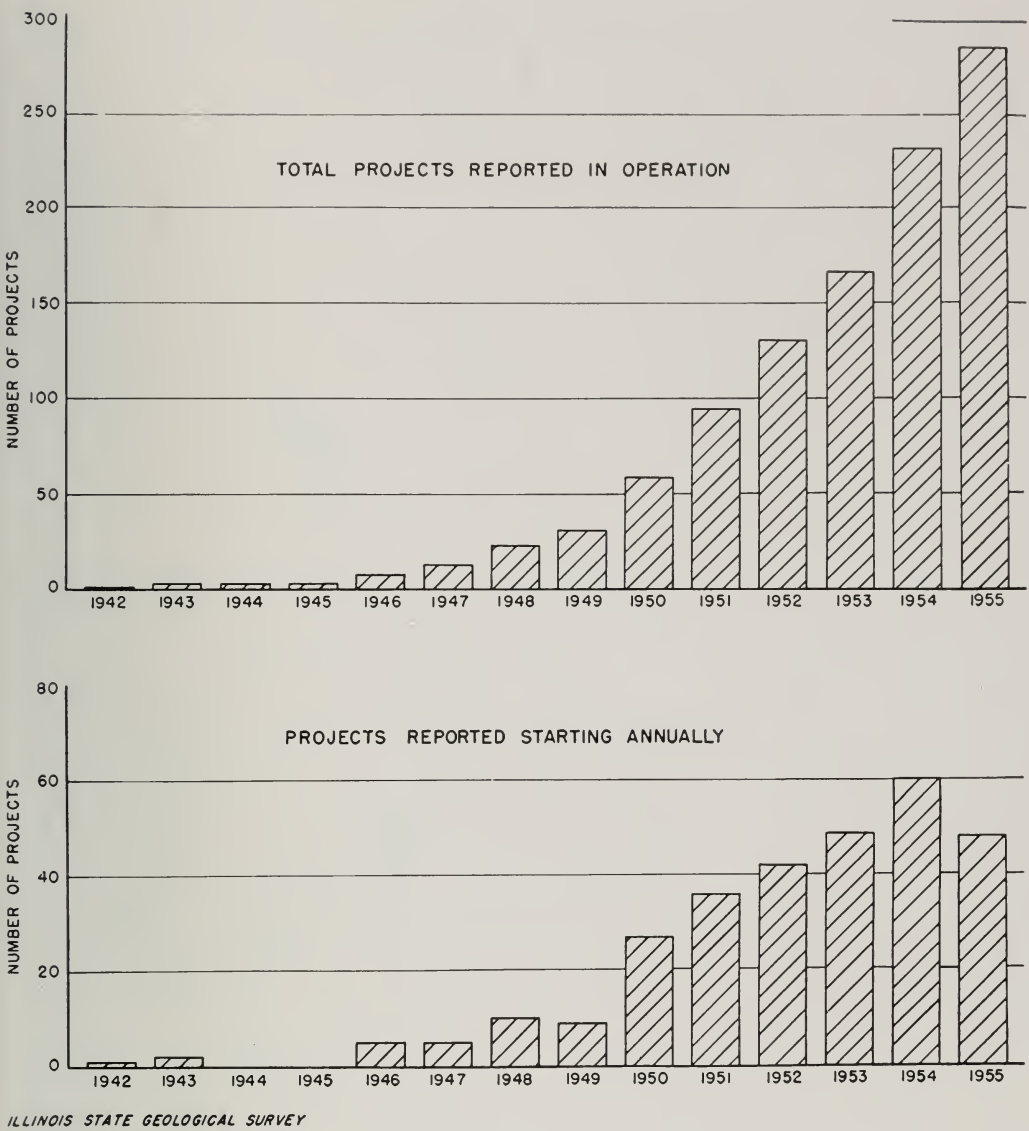



Fig. 26.—Reported development of waterflood projects in Illinois.

(3) "Summary of Water Flooding Operations in Illinois Oil Pools During 1951." Published by Interstate Oil Compact Commission and reprinted by Illinois State Geological Survey as Circular 182.

(4) "Summary of Water Flooding Operations in Illinois Oil Pools During 1952." Published by Interstate Oil Compact Commission and reprinted by Illinois State Geological Survey as Circular 185.

(5) "Summary of Water Flooding Operations in Illinois Oil Pools During 1953." Published by Interstate Oil Compact Commission and reprinted by Illinois State Geological Survey as Circular 193.

(6) "Summary of Water Flood Operations in Illinois Oil Pools During 1954." Published by Interstate Oil Compact Commission and reprinted by Illinois State Geological Survey as Illinois Petroleum 73.

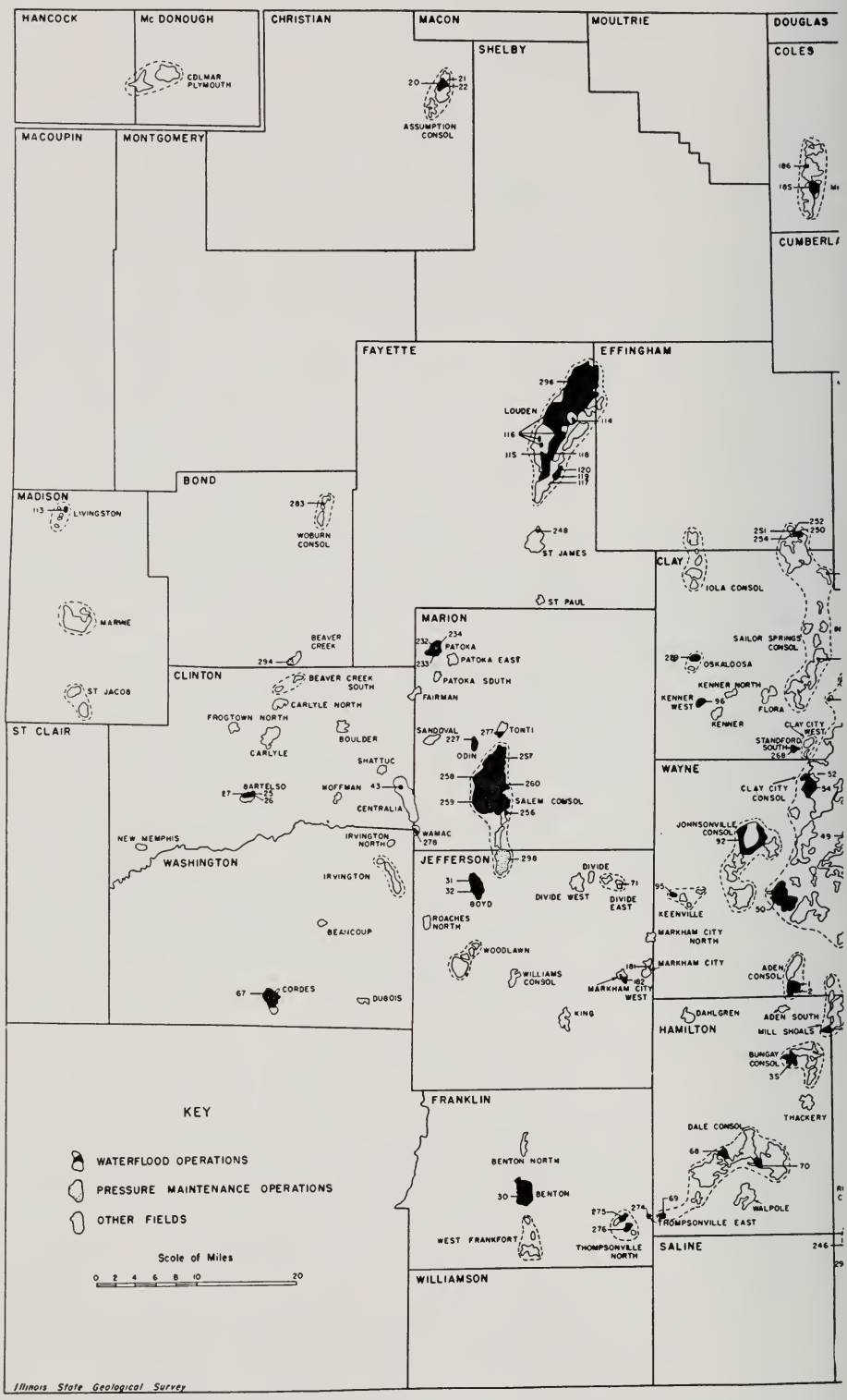
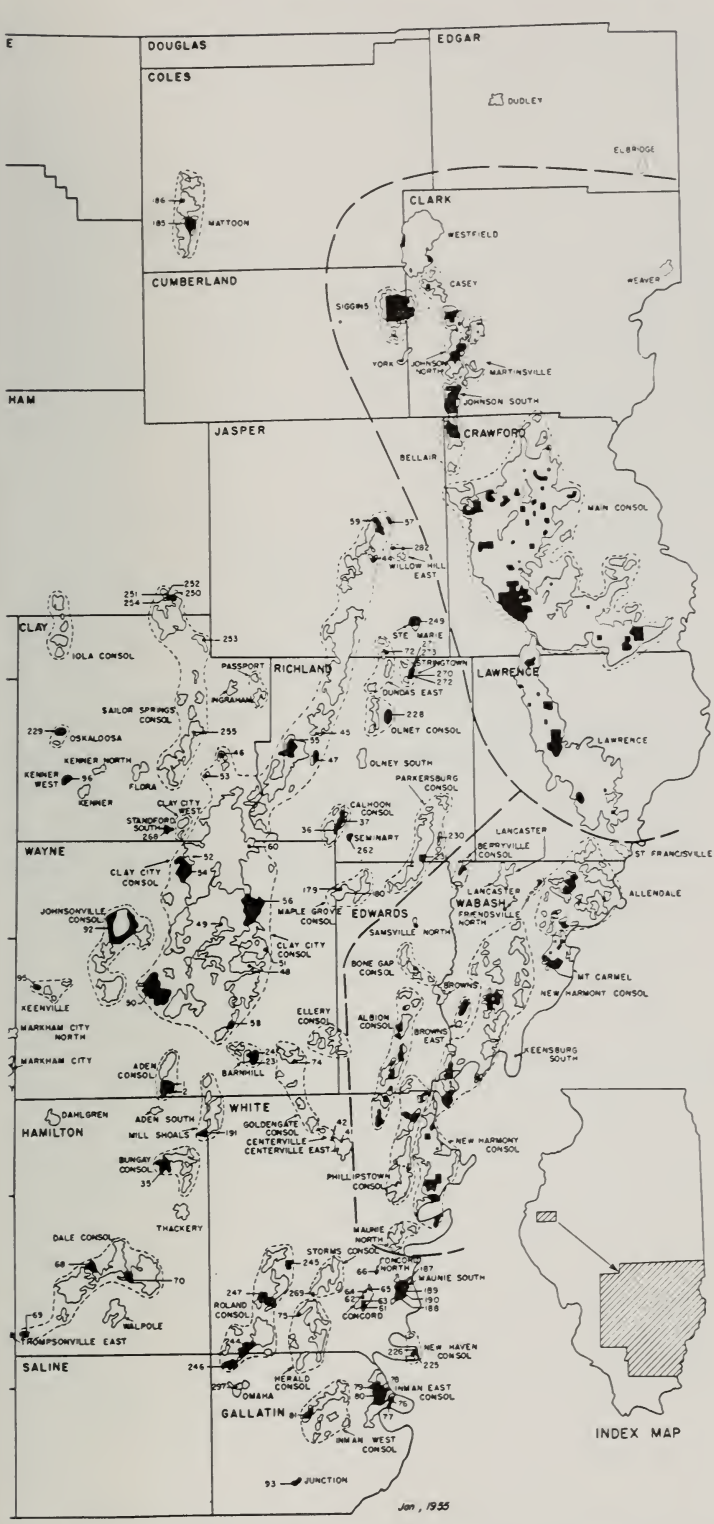



FIG. 27.—Waterflood and pressure maintenance operations in Illinois during




1955. Areas outlined by heavy dashes are shown in detail in figs. 28 and 29.

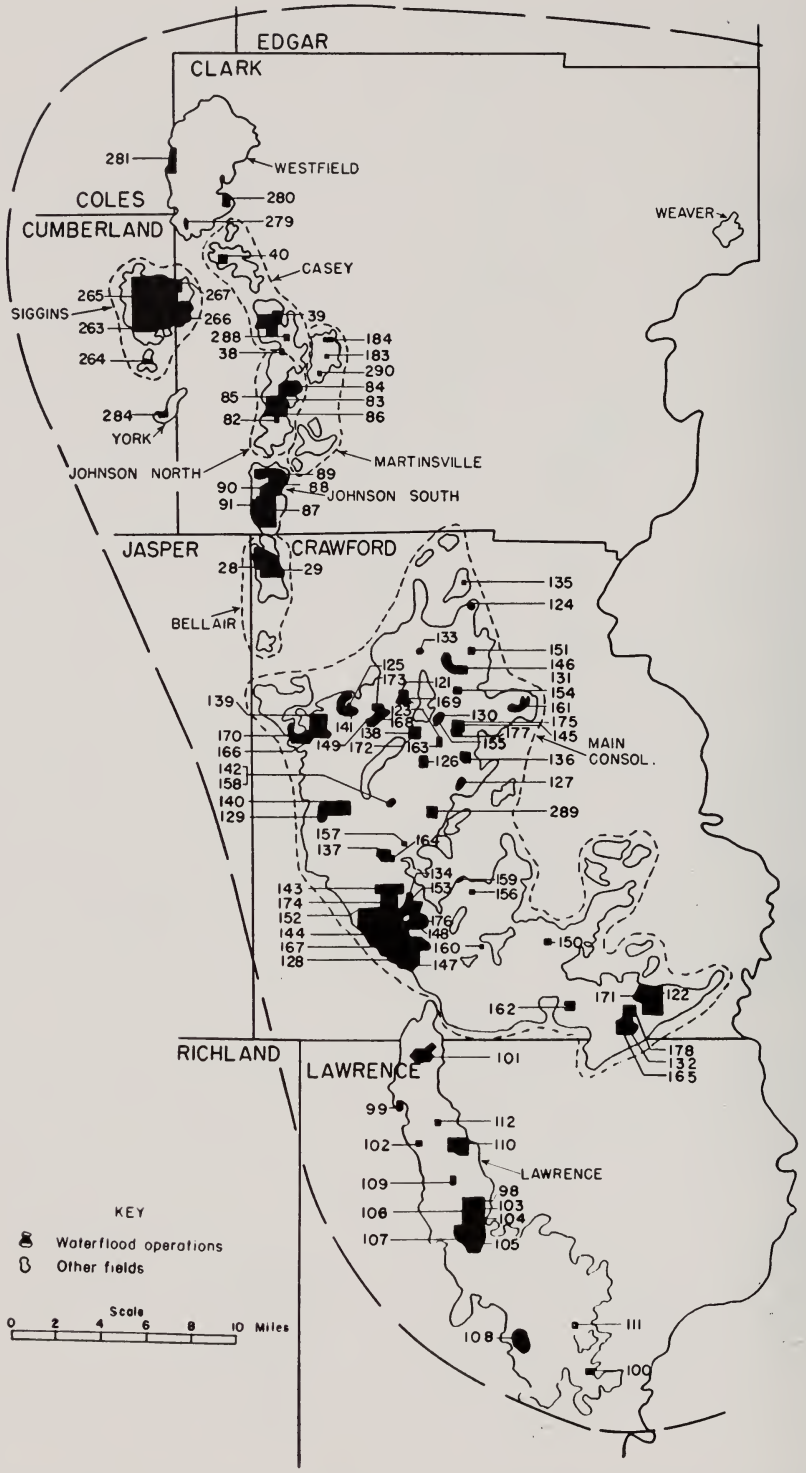



FIG. 28.—Detail of waterflood operations in Clark, Crawford, and Lawrence counties.

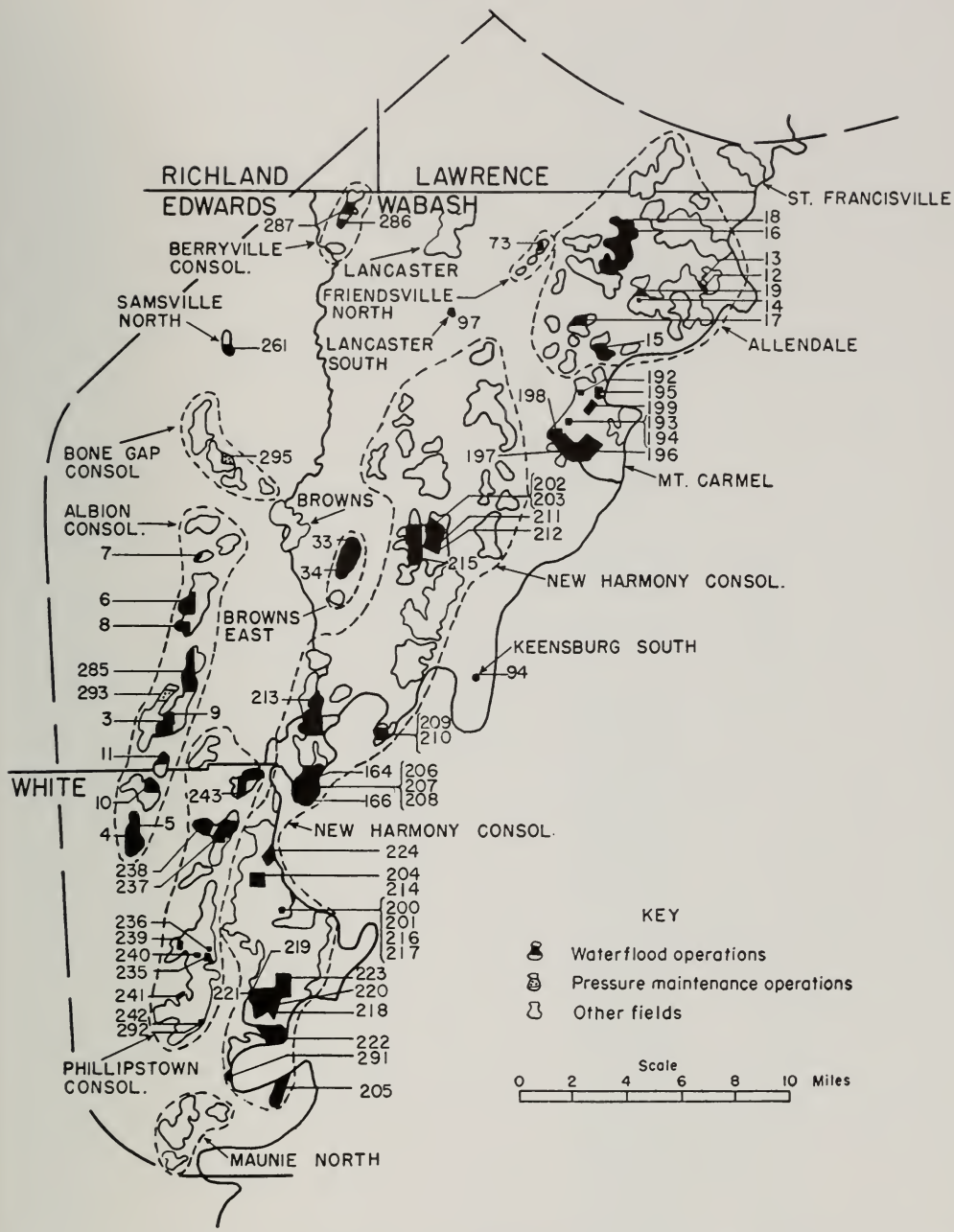



FIG. 29.—Detail of waterflood and pressure maintenance operations in Wabash, Edwards, and White counties.

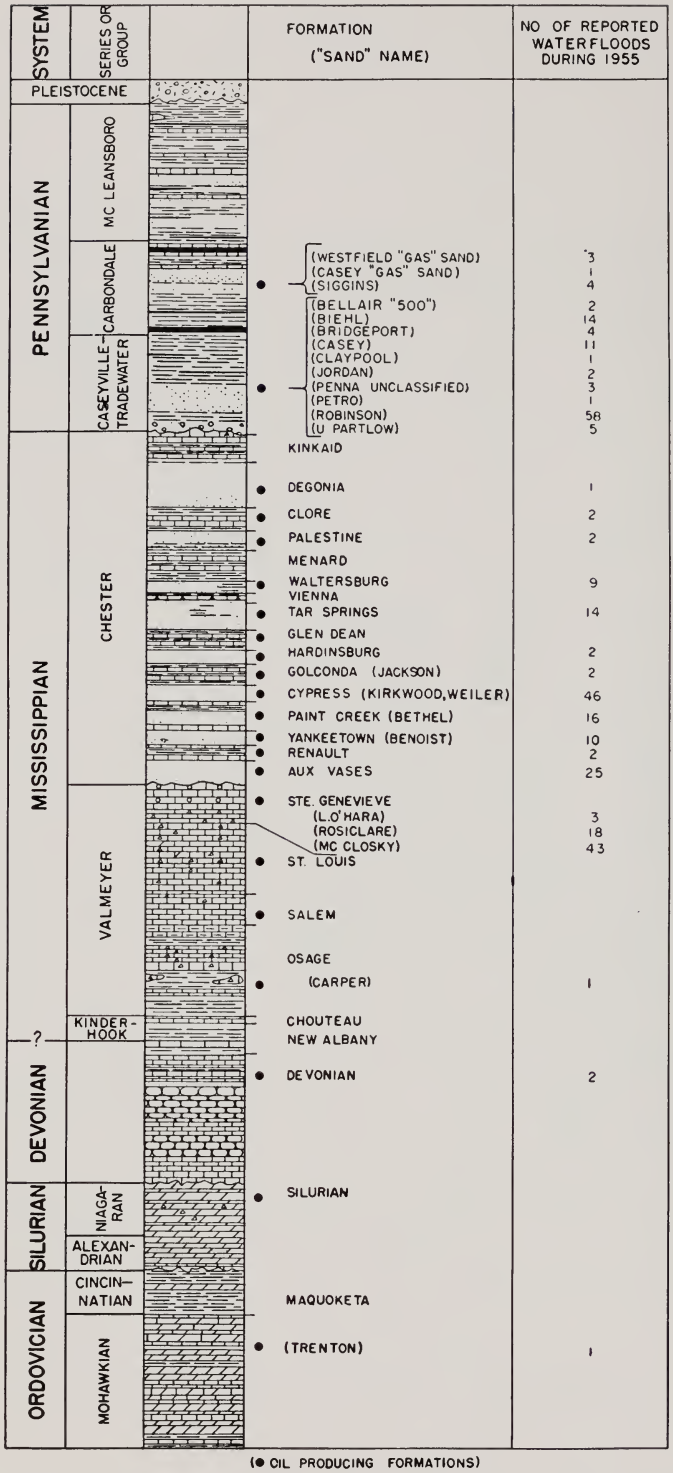



FIG. 30.—Generalized geologic column showing formations subjected to waterflooding in the Illinois basin.

## SUMMARY OF RESULTS

During the last two years, oil production in Illinois has been consistently increasing. This rise in production is attributed mainly to the large increase in oil recovered by means of waterflooding. This method of secondary recovery produced approximately 26,560,000 barrels of oil during 1955, or 32.7 percent of the state's total recovery of 81,131,000 bbls. Of this waterflood oil, 24,585,000 barrels are reported in table 14 and an additional 1,978,000 barrels are estimated to have been recovered by "dump" flooding. The 1955 waterflood recovery is 32 percent higher than the 1954 recovery of approximately 18,000,000 barrels.

Figure 25 shows the effect of waterflood (including "dump" flood) operations on the state's annual oil production since 1936. The cumulative waterflood recovery at the end of 1955 was approximately 100,800,000 barrels, which includes 19,800,000 barrels of "dump" flood oil.

Table 14 presents a summary of the information collected on waterflood projects in operation during 1955. The data are arranged alphabetically by fields and include 284 projects. Excluding the "dump" floods, there were approximately 300 waterfloods in operation during 1955. Table 14 provides data on 95 percent of these projects, although in terms of cumulative figures, this summary approaches 100 percent coverage.

According to data reported in table 14, a total of 224,579,000 barrels of water was injected during 1955 in recovering 24,585,000 barrels of waterflood oil, or a ratio of 9.13 barrels of water for each barrel of oil. A cumulative total of 745,573,000 barrels of water had been injected by the end of 1955 in recovering 81,010,000 barrels of oil, or an over-all input water-well ratio of 9.2.

Figure 26 shows the reported development of waterflood projects in Illinois by years since 1942. The rapid increase in the number of projects since 1949 is evident. As a result, the number of projects has increased by a factor of nine in the past six years from 33 projects at the end of 1949 to 284 projects at the end of 1955. As shown in table 14, these 284 projects had developed 72,832 acres for waterflooding, or 15 percent of the state's total oil-productive acreage.

Table 15 presents data on the waterflood projects that have been reported abandoned by the end of 1955. Only five projects were abandoned during 1955, bringing to thirteen the total number of projects reported abandoned.

Table 16 includes data on the six pressure maintenance operations that used water injection during 1955. The oil-production statistics in table 16 include both primary recovery and any additional oil obtained by pressure maintenance operations.

Each project listed in tables 14, 15, and 16 has been numbered, and corresponding numbers on figures 27, 28, and 29 show the locations of the waterflood and pressure maintenance operations. Figure 27 shows all reported projects, while figures 28 and 29 are details of portions of the old oil fields and the Wabash Valley fields, respectively.

A generalized geologic column is given in figure 30 which indicates the stratigraphic sequence of oil-producing formations in the Illinois basin. Listed opposite these oil-producing formations are the number of reported waterfloods as taken from table 14. An index map of counties, townships, and ranges in Illinois is shown in figure 5.

TABLE 14.—ILLINOIS WATERFLOOD PROJ-

| Map No. | Field | Operator | Project | Formation Sand(S), Lime(L) | County |
|---|---|---|---|---|---|
| | | | | | General |
| 1 | Aden Consol. | Texas | Aden | Aux Vases(S) | Wayne |
| 2 | Aden Consol. | Texas | Aden | McClosky(L) | Wayne |
| 3 | Albion Consol. | Carter | Albion | Bridgeport(S) | Edwards |
| 4 | Albion Consol. | Concho | — | Tar Springs(S) | White |
| 5 | Albion Consol. | Concho | — | Cypress(S) | White |
| 6 | Albion Consol. | Continental | Stafford | McClosky(L) | Edwards |
| 7 | Albion Consol. | First National Petroleum Trust | Brown Lease | Aux Vases(S) | Edwards |
| 8 | Albion Consol. | Jarvis Bros. & Marcel | A. C. Wick | McClosky(L) | Edwards |
| 9 | Albion Consol. | Superior | South Albion S.R.P. #1 | Biehl (S) Waltersburg(S) | Edwards |
| 10 | Albion Consol. | Yingling | Biehl Unit #1 | Biehl(S) | White |
| 11 | Albion Consol. | Yingling | Biehl Unit #2 | Biehl(S) | Edwards |
| 12 | Allendale | Ashland | Allendale | Biehl(S) | Lawrence |
| 13 | Allendale | Bass and Hamman | Gilliate | Biehl(S) | Wabash |
| 14 | Allendale | Bass and Hamman | White | Biehl(S) | Wabash |
| 15 | Allendale | G. S. Engle | Patton | Cypress(S) | Wabash |
| 16 | Allendale | Forest | Allendale | Biehl & Jordan(S) | Wabash |
| 17 | Allendale | Indiana Farm Bureau | Woods | Biehl(S) | Wabash |
| 18 | Allendale | B. Kidd | Allendale | Biehl & Jordan (S) | Wabash |
| 19 | Allendale | F. C. Luecking | Mataliano et al. | Biehl(S) | Wabash |
| 20 | Assumption Consol. | Continental | Benoist | Benoist(S) | Christian |
| 21 | Assumption Consol. | Continental | Devonian | Devonian(L) | Christian |
| 22 | Assumption Consol. | Continental | Rosiclare | Rosiclare(S) | Christian |
| 23 | Barnhill | Ashland | Barnhill | McClosky(L) | Wayne |
| 24 | Barnhill | Wayne Devel. Corp. | Walter | McClosky(L) | Wayne |
| 25 | Bartelso | T. R. Kerwin | Belle Oil Company | Cypress(S) | Clinton |
| 26 | Bartelso | Robben Oil Company | Robben Oil Unit | Cypress(S) | Clinton |
| 27 | Bartelso | H. S. Woodard | H. S. Woodard | Cypress(S) | Clinton |
| 28 | Bellair | Forest | Bellair | Bellair "500"(S) | Crawford |
| 29 | Bellair | Pure Oil Co. | Fulton | Bellair "500"(S) | Crawford |
| 30 | Benton | Shell | Benton Unit | Tar Springs(S) | Franklin |
| 31 | Boyd | Superior | Boyd Field Unit | Aux Vases(S) | Jefferson |
| 32 | Boyd | Superior | Boyd Field Unit | Benoist(S) | Jefferson |
| 33 | Browns East | George & Wrather | Bellmont | Cypress(S) | Wabash |
| 34 | Browns East | Magnolia | Bellmont | Cypress(S) | Wabash |
| 35 | Bungay Consol. | Texas | Blairsville | Aux Vases(S) | Hamilton |
| 36 | Calhoun Consol. | Ashland | Calhoun | McClosky(L) | Richland |
| 37 | Calhoun Consol. | Phillips | Bohlander Unit | McClosky(L) | Richland |
| 38 | Casey | F. A. Bridge | States Oil | Casey(S) | Clark |
| 39 | Casey | Forest | Casey | Casey(S) | Clark |
| 40 | Casey | Franchot | North Casey Flood | Casey(S) | Clark |

'TS REPORTED OPERATING DURING 1955

| Information | | | | Production and Injection Statistics (Barrels) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Location | | | Date first injection | Secondary recovery | | | | | | Map No. |
| | | | | Water injection | | Oil production | | Water production | | |
| Section | Twp. | Rng. | | Total 1955 | Cumulative 12-31-55 | Total 1955 | Cumulative 12-31-55 | Total 1955 | Cumulative 12-31-55 | |
| 9, 16, 17, 20 | 3S | 7E | Aug., 1946 | 623,137 | 2,340,728 | 188,721 | 531,705 | 500,267 | 1,293,715* | 1 |
| 9, 16, 17, 20 | 3S | 7E | Aug., 1946 | 636,556 | 2,544,419 | 110,387 | 326,696 | * | * | 2 |
| & 12 | 3S | 10E | Dec., 1947 | 74,249 | 427,808 | 4,355 | 64,441 | 64,082 | 338,624 | 3 |
| , 27, 34, 35 | 3S | 10E | Oct., 1952 | 147,439 | 414,959 | 9,206 | 23,591 | 12,321 | 20,264 | 4 |
| , 27, 34, 35 | 3S | 10E | Oct., 1952 | 599,443 | 2,036,514 | 85,452 | 213,729 | 261,034 | 467,970 | 5 |
| | 2S | 10E | May, 1943 | 156,950 | 473,689 | 2,690 | 33,790* | 156,950 | 473,689 | 6 |
| | 2S | 11E | April, 1952 | * | * | — | — | — | — | 7 |
| | 2S | 10E | July, 1951 | * | * | 600† | — | — | — | 8 |
| , 36 | 2S | 10E | Jan., 1955 | 524,369 | 528,096 | 58,184 | 58,184 | 65,159 | 65,531 | 9 |
| , 31 | 2S | 11E | | | | | | | | |
| | 3S | 10E | Aug., 1949 | 410,471* | 2,761,822 | 73,321 | 664,753 | 83,623 | — | 10 |
| | 3S | 10E | Dec., 1950 | 411,580 | 1,483,284 | 50,980 | 359,724 | 7,150 | — | 11 |
| | 1N | 12W | Sept., 1955 | 11,014 | 11,014 | 3,363 | 3,363 | — | — | 12 |
| | 1N | 12W | Nov., 1954 | 53,374 | 61,050 | 10,089 | 10,089 | — | — | 13 |
| | 1N | 12W | June, 1952 | 10,949* | 10,949* | 4,937 | 12,655† | — | — | 14 |
| | 1N | 12W | ——, 1954 | 149,253 | 250,706 | 30,921* | 38,115* | 25,550 | 28,050 | 15 |
| 4, 9, 10 | 1N | 12W | June, 1955 | 1,489,599 | 1,489,599 | 71,763* | 71,763 | — | — | 16 |
| | 1N | 12M | Nov., 1953 | 139,010 | 343,536 | 11,702 | 25,085* | 216,000 | — | 17 |
| | 1N | 12W | Sept., 1953 | 243,600 | 409,599* | 30,105 | 37,122* | 34,700 | 41,900 | 18 |
| | 1N | 12W | June, 1952 | — | 45,050* | — | 13,200* | — | 22,800* | 19 |
| 4, 9, 10, 15, 16, 21 | 13N | 1E | July, 1950 | 969,435 | 3,963,353 | 156,756 | 745,269 | 369,903 | 1,178,954 | 20 |
| | 13N | 1E | May, 1955 | 153,024* | 153,024 | None | None | 1,458 | 1,458 | 21 |
| 10 | 13N | 1E | June, 1955 | 37,311* | 37,311 | 6,138 | 6,138 | 8,584 | 8,584 | 22 |
| , 34, 35 | 2S | 8E | Jan., 1951 | 598,600* | 3,162,690† | 208,572 | 734,580 | — | — | 23 |
| | 2S | 8E | Dec., 1950 | — | 143,565* | — | — | — | 118,901* | 24 |
| | 1N | 3W | April, 1952 | 144,692 | 468,550* | 16,563 | 96,645† | — | — | 25 |
| | 1N | 3W | Nov., 1953 | 327,437 | 780,880 | 163,708 | 271,883* | 90,141 | 155,822 | 26 |
| , 8 | 1N | 3W | Jan., 1954 | 226,896 | 402,090 | 62,982 | 99,780* | 109,707 | 164,079 | 27 |
| 11, 12 | 8N | 14W | July, 1948 | 1,479,369 | 12,683,697 | 58,648 | 490,836 | — | — | 28 |
| 2, 11, 12 | 8N | 14W | July, 1948 | 3,766,257 | 28,780,160 | 100,847 | 872,798 | 1,969,060 | 11,002,827 | 29 |
| , 24, 25, 26, , 36, | 6S | 2E | Nov., 1949 | 11,663,504 | 62,642,596 | 1,088,298 | 8,715,771 | 8,698,191 | 25,777,659 | 30 |
| , 30, 31 | 6S | 3E | | | | | | | | |
| , 19, 20, 30, 13, 24, 25 | 1S | 2E | Aug., 1954 | 1,131,521 | 1,254,692 | * | * | * | * | 31 |
| | 1S | 1E | | | | | | | | |
| , 19, 20, 30, , 24, 25 | 1S | 2E | Jan., 1955* | 3,516,463 | 3,516,463 | 113,851† | 113,851† | 2,160,783† | 2,160,783† | 32 |
| | 1S | 1E | | | | | | | | |
| 2, 11, 12 | 2S | 14W | Jan., 1951 | 438,544 | 2,550,004 | 71,349 | 863,718* | 296,696 | 796,669 | 33 |
| 11 | 2S | 14W | Nov., 1947 | 59,964 | 715,717 | 34,969 | 526,885* | 24,551 | 178,027 | 34 |
| , 17, 20, 21 | 4S | 7E | June, 1948 | 1,184,991 | 3,329,467 | 171,225 | 270,767 | 263,465 | 388,845 | 35 |
| | 2N | 9E | Sept., 1951 | 273,750* | 714,175* | 16,100 | 80,268† | — | — | 36 |
| , 18 | 2N | 10E | | | | | | | | |
| 7 | 2N | 10E | June, 1950 | 336,769 | 1,437,014 | 43,253 | 190,825 | 349,806 | 942,577 | 37 |
| | 10N | 14W | Jan., 1954 | — | 4,910* | — | None* | — | — | 38 |
| , 15, 23 | 10N | 14W | Mar., 1950 | 856,602 | 4,679,717 | 48,498 | 325,256 | — | — | 39 |
| | 11N | 14W | Dec., 1953 | 253,589 | 438,715 | None | None | * | * | 40 |
| | 10N | 14W | | | | | | | | |

TABLE 14.—

| Map No. | Development as of 12-31-55 | | | | | | Injection Water | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | No. of wells | | Injection pattern | Spacing acres per input well | Productive acreage | | Source | Type | Avg. bbls. per day per well per ft. | Avg. well-head pressure PSI |
| | Inj. | Prod. | | | Subjected to inj. | Total | | | | |
| 1 | 12 | 19 | Perimeter | — | 640 | 1,050 | Penn. Sand | Brine | 14.2 | 1,239 |
| 2 | 11 | 20 | Perimeter | — | 520 | 920 | Penn. Sand | Brine | 44.0 | 1,162 |
| 3 | 1 | 5 | Flank | — | 60 | 60 | Produced | Brine | — | 200 |
| 4 | 4 | — | Perimeter | — | — | — | River | Fresh | 16.83 | 1,100 |
| 5 | 8 | 21 | Perimeter | — | 250 | 300 | River | Fresh | 17.11 | 1,100 |
| 6 | 1 | 1 | — | — | 80 | 80 | Produced | Brine | 107.5 | 0 |
| 7 | 1 | 1 | Spot | 10 | 30 | 50 | Hardinsburg | Brine | — | — |
| 8 | 1 | 6 | — | — | 140 | 140 | — | Brine | — | * |
| 9 | 5 | 21 | Flank | — | 325 | 325 | Shallow Sand | Fresh & Brine | — | 1,200 |
| | 1 | | | | 222 | 222 | Shallow Sand & Produced | Fresh & Brine | — | 1,200 |
| 10 | 3 | 13 | Flank | — | 220 | 220 | River & Produced | Fresh & Brine | — | 911 |
| 11 | 1 | 6 | Flank | — | 90 | 90 | Pennsylvanian Sand | Brine | 51.25 | 865 |
| 12 | 1 | 2 | Irregular | — | 20 | 20 | Pennsylvanian Sand | Brine | 6.1 | 0 |
| 13 | 3 | 1 | Perimeter | — | 20 | 30 | Well 100′-150′ | Fresh | 2.9 | 25 |
| 14 | 2 | 1 | None | — | 30 | 70 | 600′-700′ Sand | Fresh Brine | — | — |
| 15 | 4 | 7 | — | 25 | 130 | 130 | — | Fresh | 6.4 | 795 |
| 16 | 25 | 24 | Modified 5-Spot | 25 | 300 | — | Gravel Beds & Produced | Fresh & Brine | 10.5 | 314 |
| 17 | 5 | 7 | — | 10 | 147 | 147 | Produced | Brine | — | 50 |
| 18 | 2 | 4 | Irregular | 30 | 60 | 75 | Shallow Sand | Fresh | — | 103 |
| 19 | 1 | 2 | — | — | 44 | 44 | Shallow Sand | Fresh | — | — |
| 20 | 14 | 28 | Perimeter | — | 450 | 450 | Creek & Produced | Fresh & Brine | 14.9 | 883 |
| 21 | 4* | 8 | 5-Spot | — | 140 | 140 | Creek & Produced | Fresh & Brine | 12.3 | 90 |
| 22 | 1* | 9 | Line Drive | — | 80 | 100 | Creek & Produced | Fresh & Brine | 14.8 | 282 |
| 23 | 8 | 16 | Irregular | — | 260 | 320 | Cypress | Brine | 22.8 | * |
| 24 | 1 | 2 | — | 10 | 40 | 40 | Cypress | Brine | — | — |
| 25 | 5 | 5 | 5-Spot | 5 | 40 | 40 | Tar Springs | Brine | 5.3 | 550 |
| 26 | 12 | 19 | 5-Spot | 10 | 200 | 200 | Bethel | Brine | 6.2 | 550 |
| 27 | 5 | 10 | 5-Spot | 10 | 80 | 75 | Bethel & Produced | Brine | 8.3 | 506 |
| 28 | 56 | 51 | 5-Spot | 4.4 | 200 | — | Gravel Bed | Fresh | 1.9 | 284 |
| 29 | 131 | 125 | 5-Spot | 4.4 | 443 | 443 | Gravel Bed | Fresh | 3.8 | 265 |
| 30 | 107 | 119 | 5-Spot | 20 | 2,200 | 2,200 | Lake & Produced | Fresh & Brine | 8.5 | 474 |
| 31 | 12 | 85 | Peripheral | — | 569 | 569 | Surface Produced | Fresh & Brine | 21.7 | 250 |
| 32 | 8 | 85 | Peripheral | — | 1,564 | 1,564 | Surface & Produced | Fresh & Brine | — | 650 |
| 33 | 15 | 18 | 5-Spot | 20 | 290 | 330 | Shallow Sand | Fresh & Brine | 6.2 | 1,400 |
| 34 | 3 | 11 | Line Drive | 10 | 184 | 184 | Tar Springs | Brine | — | — |
| 35 | 10 | 17 | — | 20 | 640 | 640 | Penn. Sand | Brine | 20.9 | 1,217 |
| 36 | 3 | 7 | Irregular | — | 140 | 195 | Cypress | Brine | 41.7 | * |
| 37 | 3 | 9 | Irregular | — | 160 | 280 | Upper Sand & Produced | Brine | 30.5 | 1,349 |
| 38 | 2 | 0 | — | 4.4 | — | — | Shallow Sand | Fresh | — | — |
| 39 | 76 | 66 | 5-Spot | 4.4 | 280 | — | Gravel Bed | Fresh | 3.1 | 220 |
| 40 | 15 | 6 | 5-Spot | 4.4 | 48 | 560 | Water Well | Fresh | 2.31 | 115 |

ntinued)

| Reservoir Statistics (Average Values) | | | | | | Remarks | Map No. |
|---|---|---|---|---|---|---|---|
| epth eet | Net pay thick-ness feet | Porosity per cent | Perme-ability milli-darcys | Oil gravity API | Oil viscosity centipoises | | |
| 3,200 | 10 | 22 | 150 | 35.4 | — | *Includes water production from McClosky (see map No. 2). | 1 |
| 3,350 | 3.6 | — | — | 35.4 | 6.5 @ 100°F. | *Included in water production from Aux Vases (see map No. 1). | 2 |
| 1,900 | 13 | 20 | 305 | 35 | 6.0 @ 111°F. | | 3 |
| 2,460 | 6 | 18 | — | 37 | — | | 4 |
| 2,850 | 12 | 18 | — | 37 | — | | 5 |
| 3,222 | 4 | 16.3 | 898 | 39 | — | *This is total production, as increased production is not known. | 6 |
| 3,005 | 21 | — | — | — | — | *Dump flood. | 7 |
| 3,150 | 30 | — | — | 37 | — | *Dump flood. †Estimated figure. | 8 |
| 2,025 | 7.1 | 18.6 | 807 | 36 | 5.4 @ 85°F. | | 9 |
| 2,400 | 12.3 | 18.5 | 74 | 36.1 | 4.7 @ 90°F. | | |
| 2,000 | 17 | 20.2 | 265 | 37.6 | 5.3 @ 88°F. | *Injection shut down approximately four months. | 10 |
| 1,950 | 22 | 19.3 | 303 | 35.8 | 6.0 @ 84°F. | | 11 |
| 1,475 | 15 | — | — | 36 | — | | 12 |
| 1,490 | 17 | — | — | — | — | | 13 |
| 1,450 | 17 | — | — | — | — | *Since 7-1-55. Does not include dump flood injection. †Since 1-1-54. | 14 |
| 2,000 | 16 | — | — | 34.8 | — | *Includes primary production since 1-1-54. | 15 |
| 1,500 | 14 | 17.7 | 390 | 37 | 12.3 @ 60°F. | *Since 6-1-55. | 16 |
| | 13 | 14.9 | 100 | | | | |
| 1,520 | 15 | — | — | 28.4 | 8-9 @ 32°F. | *Includes primary production since 1-1-54. | 17 |
| 1,490 | 32 | 16.5 | 600 | 37 | 7.6 @ 79°F. | *Corrected figures. | 18 |
| 1,385 | 15 | — | — | 34.5 | — | *As of 1-1-54. | 19 |
| 1,050 | 12.7 | 19.4 | 102.5 | 39.8 | — | | 20 |
| 2,280 | 13 | 12 | — | 39.3 | 1.8 @ 88°F. | *Pilot flood. | 21 |
| 1,150 | 12 | 22 | 561 | 39.3 | 2.61 @ 78°F. | *Pilot flood. | 22 |
| 3,350 | 3 | — | — | 39 | — | *Controlled dump flood. †Corrected figure. | 23 |
| 3,450 | 18 | — | — | — | — | *Abandoned Jan., 1955. | 24 |
| 971 | 15 | 22.2 | 165 | 37 | 6.3 @ 71°F. | *Corrected figure. †Includes primary production since start of flood. | 25 |
| 980 | 12 | 20 | 110 | 36.9 | 6.3 @ 71°F. | *Includes primary production since start of flood. | 26 |
| 970 | 15 | 21 | 210 | 36 | — | *Includes primary production since start of flood. | 27 |
| 550 | 38 | 17.1 | 148 | 32.4 | 16 @ 77°F. | Previously subjected to gas injection. | 28 |
| 560 | 21 | 18.6 | 149 | 32 | 18.7 @ 77°F. | | 29 |
| 2,100 | 35 | 19 | 65 | 40.4 | 3.5 @ 86°F. | | 30 |
| 2,130 | 11.9 | 21.4 | 240 | 36.8 | 4.4 @ 90°F. | *Included with Boyd field unit Benoist. | 31 |
| 2,065 | 17.3 | 17.5 | 173 | 39.5 | 3.2 @ 90°F. | *Pressure maintenance 6-45 to 1-1-55. †Includes Aux Vases production. | 32 |
| 2,570 | 13 | — | — | — | — | *Includes primary production since start of flood. | 33 |
| 2,570 | — | — | — | 36 | 4.6 @ 90°F. | *Includes primary production since start of flood. | 34 |
| 3,330 | 15.5 | 19.6 | 92 | 35–40 | 1.8 @ 99°F. | | 35 |
| 3,150 | 6 | — | — | 37 | — | *Dump flood. †Includes primary production since start of flood. | 36 |
| 3,130 | 10 | 11.2 | 67.5 | 36 | — | | 37 |
| 444 | 20 | — | — | — | — | *As of 1-1-55. | 38 |
| 450 | 10 | 17.4 | 173 | 31.9 | 16.6 @ 70°F. | Previously subjected to gas injection. | 39 |
| 290 | 20 | 21.5 | 400 | 26.6 | 50 @ 60°F. | *Negligible. | 40 |

TABLE 14.—

| Map No. | Field | Operator | Project | Formation Sand(S), Lime(L) | County |
|---|---|---|---|---|---|
| | | | | | General |
| 41 | Centerville East | Sun | East Centerville | Tar Springs(S) | White |
| 42 | Centerville East | Lesh Drilling | Centerville East Flood | Rosiclare(L) | White |
| 43 | Centralia | Sohio | Copple Trenton | Trenton(L) | Clinton |
| 44 | Clay City Consol. | Ashland | Boos East | McClosky(L) | Jasper |
| 45 | Clay City Consol. | Ashland | Noble North | McClosky(L) | Richland |
| 46 | Clay City Consol. | Calvert | N. Clay City Unit | Rosiclare(L) | Clay |
| 47 | Clay City Consol. | Calvert | East Noble Unit | Rosiclare(L) | Richland |
| 48 | Clay City Consol. | Calvert | Wilson | Rosiclare(L) | Wayne |
| 49 | Clay City Consol. | F. & W. | Miller Lambrich Unit | Ohara, Rosiclare & McClosky(L) | Wayne |
| 50 | Clay City Consol. | General American | Covington Unit | St. Genevieve Series(L) | Wayne |
| 51 | Clay City Consol. | Gulf | Winona | McClosky(L) | Wayne |
| 52 | Clay City Consol. | I. J. Neal | — | Aux Vases(S) | Wayne |
| 53 | Clay City Consol. | Phillips | Minnie Lease | Rosiclare(S) | Clay |
| 54 | Clay City Consol. | Pure | Jordan School Pool Unit | Aux Vases(S) | Wayne |
| 55 | Clay City Consol. | Pure | Old Noble Area | McClosky(L) | Richland |
| 56 | Clay City Consol. | Pure | Van Fossan Unit | McClosky(L) | Wayne |
| 57 | Clay City Consol. | Robinson & Puckett | N.E. McClosky Unit # 1 | McClosky(L) | Jasper |
| 58 | Clay City Consol. | Robinson & Puckett | S. Puckett Unit # 1 | Aux Vases(S) | Wayne |
| 59 | Clay City Consol. | Robinson & Puckett | S.W. McClosky Unit # 2 | McClosky(L) | Jasper |
| 60 | Clay City Consol. | Slagter | — | Rosiclare(L) | Wayne |
| 61 | Concord | Great Lakes Carbon | McClosky | Rosiclare & McClosky(L) | White |
| 62 | Concord | B. Kidd | Kerwin-Concord | McClosky(L) | White |
| 63 | Concord | Phillips | Dallas | Rosiclare & McClosky(L) | White |
| 64 | Concord | Phillips | Kerwin | Rosiclare & McClosky(L) | White |
| 65 | Concord | Phillips | Tuley | McClosky(L) | White |
| 66 | Concord North | C. E. Brehm | Concord North | Aux Vases(S) | White |
| 67 | Cordes | Shell | Cordes Co-op.* | Benoist(S) | Washington |
| 68 | Dale Consol. | Inland | N. Rural Hill | Aux Vases(S) | Hamilton |
| 69 | Dale Consol. | Phillips | Cantrell | Aux Vases(S) | Hamilton |
| 70 | Dale Consol. | Texas | West Dale Unit | Aux Vases(S) | Hamilton |
| 71 | Divide East | Gulf | Holloway | McClosky(L) | Jefferson |
| 72 | Dundas East | Gulf | Dundas East | McClosky(L) | Jasper |
| 73 | Friendsville North | Magnolia | Litherland | Biehl (S) | Wabash |
| 74 | Goldengate Consol. | Cities Service | Goldengate Unit | McClosky & Ohara (L) | Wayne |
| 75 | Herald Consol. | C. E. Brehm | Herald West | Waltersburg(S) | White |
| 76 | Inman East Consol. | Carter | Big Barn | Upper Cypress(S) | Gallatin |
| 77 | Inman East Consol. | Carter | Kerwin-Crawford | Clore, Palestine, Waltersburg, Tar Springs, & Cypress (S) | Gallatin |
| 78 | Inman East Consol. | Natural Resources, Inc. | Big Barn* | Cypress(S) | Gallatin |
| 79 | Inman East Consol. | Nat'l Resources, Inc. | Big Barn* | Tar Springs(S) | Gallatin |
| 80 | Inman East Consol. | Sun | Inman East | Tar Springs(S) | Gallatin |

ntinued)

| Information | | | | Production and Injection Statistics (Barrels) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Location | | | Date first injection | Secondary recovery | | | | | | Map No. |
| | | | | Water injection | | Oil production | | Water production | | |
| Section | Twp. | Rng. | | Total 1955 | Cumulative 12-31-55 | Total 1955 | Cumulative 12-31-55 | Total 1955 | Cumulative 12-31-55 | |
| | 4S | 10E | Oct., 1950 | 44,332 | 232,876 | 4,082 | 35,852 | 34,642 | 94,730 | 41 |
| | 4S | 9E | June, 1954 | * | * | 3,379 | 4,437† | 3,650 | — | 42 |
| | 2N | 1W | Nov., 1951 | None* | 236,134 | None* | 48,276† | None* | 20,779 | 43 |
| | 6N | 10E | Sept., 1953 | 47,091 | 102,133 | 4,317 | 8,213 | — | — | 44 |
| | 4N | 9E | July, 1954 | 91,250* | 135,775* | 1,563 | 2,536† | — | — | 45 |
| 3 | 3N | 8E | June, 1955 | 66,430 | 66,430 | 4,001 | 4,001 | 3,284 | 3,284 | 46 |
| 10, 11 | 3N | 9E | May, 1955 | 120,969* | 120,969* | 313 | 313 | 4,675 | 4,675 | 47 |
| | 1S | 8E | April, 1955 | 55,200 | 55,200 | 1,984* | 1,984* | — | — | 48 |
| | 1N | 8E | Aug., 1950 | — | 500,000* | — | — | — | — | 49 |
| 33, 19, 20, | 1S | 7E | June, 1955 | 2,052,844 | 2,052,844 | 1,681 | 1,681 | 21,100 | 21,100 | 50 |
| 30, 29, 28, | 1S | 6E | | | | | | | | |
| | 1S | 8E | Aug., 1955 | 16,000* | 16,000* | None | None | 122 | 122 | 51 |
| | 2N | 7E | April, 1953 | * | * | — | — | — | — | 52 |
| | 3N | 7E | July, 1953* | 36,618 | 96,948* | 5,188 | 73,480* | 36,762 | 380,398* | 53 |
| 34, 35 | 2N | 7E | Oct., 1955 | 448,176 | 448,176 | None | None | 15,916 | 15,916 | 54 |
| | 1N | 7E | | | | | | | | |
| 33, 34 | 4N | 9E | Aug., 1954 | 3,466,740* | 4,635,551* | 278,812* | 285,842* | 435,733* | 443,896* | 55 |
| 5, 8, 9 | 3N | 9E | | | | | | | | |
| 15, 22, 23 | 1N | 8E | Jan., 1953 | 1,672,882 | 5,536,607 | 91,134 | 141,121 | 358,227 | 543,108 | 56 |
| 14, 24 | 7N | 10E | May, 1953 | 178,778 | 465,486 | 37,475 | 82,076 | 12,063 | 32,098 | 57 |
| | 2S | 8E | Aug., 1954 | 732,922 | 946,966 | 57,738 | 57,738 | 37,363 | 38,069 | 58 |
| 26 | 7N | 10E | May, 1953 | 525,093 | 1,313,725 | 98,798 | 161,477 | 103,383 | 179,942 | 59 |
| | 2N | 8E | Feb., 1954 | 67,000* | 67,000* | 25,556* | 25,556* | — | — | 60 |
| | 6S | 10E | June, 1953 | — | 233,490* | — | 5,132* | — | 44,366 | 61 |
| | 6S | 10E | Jan., 1955 | 50,420* | 53,413* | 1,768 | 1,768 | 11,950 | 13,350 | 62 |
| | 6S | 10E | Aug., 1953 | 69,535 | 191,233 | 502 | 2,480 | 16,839 | 23,895 | 63 |
| | 6S | 10E | Feb., 1953 | 113,500 | 373,552 | 7,687 | 9,786 | 29,584 | 84,773 | 64 |
| | 6S | 10E | July, 1951 | 158,733 | 1,135,626 | 10,540 | 64,040 | 166,009 | 968,508 | 65 |
| | 6S | 10E | Dec., 1952 | 55,000 | 181,921 | 15,906 | 25,707 | — | — | 66 |
| 15, 22, 23 | 3S | 3W | Aug., 1950 | 1,063,117 | 6,714,254 | 187,395 | 1,984,263 | 949,096 | 4,114,902† | 67 |
| 6, 7, 8 | 6S | 6E | Feb., 1952 | 814,706 | 2,645,554 | 44,839 | 257,870* | 611,429 | 958,941* | 68 |
| 6, 7 | 7S | 5E | Aug., 1955 | 132,034 | 132,034 | None | None | None | None | 69 |
| | 6S | 6E | July, 1951 | 448,306 | 1,791,657 | 83,056 | 179,301 | 206,733 | 445,900 | 70 |
| | 1S | 4E | May, 1955 | 51,091 | 51,091 | None | None | None | None | 71 |
| | 5N | 10E | May, 1954 | 105,728* | 158,190† | 1,618 | 1,618 | 486 | 486 | 72 |
| 12 | 1N | 13W | July, 1947 | 77,483 | 527,119 | 5,644 | 140,091* | 58,390 | 246,442 | 73 |
| 32, 33 | 2S | 9E | Oct., 1953 | 154,326 | 410,810 | 3,243 | 7,926* | 109,330 | 111,623 | 74 |
| 33 | 6S | 9E | Jan., 1955 | 56,359 | 56,359 | None | None | — | — | 75 |
| | 8S | 10E | April, 1954 | 14,010 | 27,891 | 25,522 | 25,239* | 257 | 501 | 76 |
| 14 | 8S | 10E | June, 1955 | 211,052 | 211,052 | None | None | 15,611 | 15,611 | 77 |
| 3, 4, 10, 11 | 8S | 10E | Mar., 1954 | 476,697 | 994,498 | 282,849 | 334,888† | 22,306 | 31,325 | 78 |
| | 7S | 10E | | | | | | | | |
| 3, 4, 10, 11 | 8S | 10E | Mar., 1954 | 2,094,841 | 4,074,832 | 444,779† | 516,838† | 376,444 | 453,270 | 79 |
| | 7S | 10E | | | | | | | | |
| | 8S | 10E | Mar., 1954 | 213,181 | 408,778 | 47,786 | 51,849 | 14,625 | 21,626 | 80 |

TABLE 14.—

| Map No. | Development as of 12-31-55 | | | | | | Injection Water | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | No. of wells | | Injection pattern | Spacing acres per input well | Productive acreage | | Source | Type | Avg. bbls. per day per well per ft. | Avg. well-head press-ure PSI |
| | Inj. | Prod. | | | Sub-jected to inj. | Total | | | | |
| 41 | 1 | 5 | Flank | — | 80 | — | Gravel Bed | Fresh | 20.2 | 1,200 |
| 42 | 1 | 1 | — | — | 20 | 20 | Tar Springs | Brine | — | 0 |
| 43 | 0* | 12 | — | 20 | 160 | 200 | Devonian | Brine | * | * |
| 44 | 2 | 4 | Flank | — | 40 | 80 | Gravel Bed & Produced | Fresh & Brine | 8.1 | 257 |
| 45 | 1 | 1 | — | — | 20 | 40 | Cypress | Brine | 50 | * |
| 46 | 2 | 8 | Peripheral | 20 | 460 | 460 | Cypress | Brine | 31.6 | 0 |
| 47 | 3 | 19 | Peripheral | 20 | 280 | 280 | Cypress | Brine | 15.3 | * |
| 48 | 1 | 2 | Peripheral | 20 | 40 | 40 | Cypress | Brine | 20.4 | — |
| 49 | 4 | 11 | Irregular | 10 | 120 | 180 | Cypress & Produced | Brine | — | — |
| 50 | 28 | 23 | 5-Spot | 40 | 1,967 | 2,100 | Cypress & Penn. Sand | Brine | 28.7 | — |
| 51 | 1 | 1 | — | 20 | 12.5 | 50 | Tar Springs | Brine | 13.3 | * |
| 52 | 1 | 2 | — | — | — | 30 | Cypress | Brine | — | * |
| 53 | 1 | 1 | — | — | 10 | 20 | Produced | Brine | 3.3 | — |
| 54 | 34 | 39 | 5-Spot | 17.6 | 695 | 695 | Penn. Sand | Brine | 20.0 | 600 |
| 55 | 13 | 48 | Line Drive | 100 | 1,200 | 1,200 | Cypress | Brine | — | 0 |
| 56 | 16 | 29 | Line Drive | 113 | 1,810 | 1,810 | Chester Sands | Brine | 28.6 | 0 |
| 57 | 2 | 6 | Modified Line | — | 235 | 235 | Shallow Sand & Produced | Fresh & Brine | 39.5 | 1,440 |
| 58 | 7 | 11 | Altered Peripheral | — | 243 | 243 | Sewage Effluent & Produced | Fresh & Brine | 19.38 | 560 |
| 59 | 5 | 15 | Modified Line | — | 415 | 415 | Shallow Sand & Produced | Fresh & Brine | 35.1 | 1,500 |
| 60 | 1 | 2 | — | 20 | 60 | — | — | Brine | — | — |
| 61 | 3 | 8 | Modified Peripheral | — | 140 | 150 | Gravel Bed & Cypress | Fresh | — | — |
| 62 | 1 | 3 | — | 10 | 30 | 40 | Cypress & Shallow Sand | Fresh & Brine | 8.6 | * |
| 63 | 1 | 3 | — | — | 40 | 60 | Shallow Sand & Produced | Fresh & Brine | 6.4 | 35 |
| 64 | 1 | 4 | — | — | 50 | 100 | Shallow Sand & Produced | Fresh & Brine | 10.4 | 0 |
| 65 | 1 | 5 | Irregular | — | 65 | 120 | Upper Sand & Produced | Brine | 14.5 | 0 |
| 66 | 1 | 3 | Irregular | — | 40 | 40 | Gravel Bed | Fresh | 12.6 | 909 |
| 67 | 36 | 67 | 5-Spot | 20 | 640 | 640 | Pottsville | Brine | 5.8 | 400 |
| 68 | 11 | 14 | 5-Spot | 20 | 310 | 325 | Cypress | Brine | 13.8 | 977 |
| 69 | 3 | 6 | 5-Spot | 10 | 50 | 110 | Penn. 1700′ | Brine | 19.6 | 106 |
| 70 | 3 | 14 | Flank | — | 295 | 295 | Shallow Sand & Produced | Fresh & Brine | 29.2 | 676 |
| 71 | 1 | 2 | Edge Well | 20 | 20 | 150 | Produced | Brine | 30.9 | 0 |
| 72 | 1 | 2 | — | — | 20 | 20 | Cypress | Brine | 22.5 | — |
| 73 | 2 | 3 | 5-Spot | 10 | 12 | 50 | Shallow Sand | Fresh | — | — |
| 74 | 1 | 15 | — | — | 116 | 340 | Penn. Sand | Brine | 52.8 | 253 |
| 75 | 1 | 19 | Pilot | — | 40 | 250 | Pennsylvanian | Brine | 8.0 | — |
| 76 | 2 | 1 | 5-Spot | 10 | 15 | 30 | River | Fresh | 3.3 | 979 |
| 77 | 27 | 31 | 5-Spot | 10 | 278 | 381 | River | Fresh | — | — |
| 78 | 50 | 50 | Modified 5-Spot | 20 | 664 | 664 | Gravel Bed | Fresh | 2.7 | 1,100 |
| 79 | 50 | 50 | Modified 5-Spot | 20 | 750 | 796 | Gravel Bed | Fresh | 8.8 | 900 |
| 80 | 2 | 2 | 5-Spot | 10 | 40 | 40 | Gravel Bed | Fresh | 10.1 | 540 |

(ontinued)

| Reservoir Statistics (Average Values) | | | | | | Remarks | Map No. |
|---|---|---|---|---|---|---|---|
| Depth feet | Net pay thickness feet | Porosity per cent | Permeability millidarcys | Oil gravity API | Oil viscosity centipoises | | |
| 2,530 | 6 | — | — | 36.6 | — | | 41 |
| 3,366 | 7 | — | — | 43 | — | *Dump flood. †Includes primary production since start of flood. | 42 |
| 3,950 | 22 | 10 | — | 39.8 | 2.7— | *Temporarily shut down as of 3-31-53. †Includes primary production since start of flood. | 43 |
| 2,645 | 8 | — | — | 40 | 3.2 @ 75°F. | | 44 |
| 3,000 | 5 | — | — | 38 | — | *Controlled dump flood. †Includes primary production since start of flood. | 45 |
| 3,010 | 5 | — | — | 36.4 | — | | 46 |
| 2,950 | 11 | — | — | 38 | — | *Dump flood. | 47 |
| 3,159 | 10 | — | — | — | — | *Includes primary production since start of flood. | 48 |
| 3,060 | 5 | — | — | — | — | *As of 1-1-54. Dump flood. | 49 |
| 3,200 | 14 | 5–23 | 80+ | — | — | | 50 |
| 3,115 | 8 | 12 | — | 40.1 | 3.69 @ 100°F. | *Dump flood. | 51 |
| 2,496 | 10 | — | — | 39 | — | *Dump flood. | 52 |
| 2,990 | 30 | — | — | — | — | *Previously affected by dump flood, surface injection began 7-9-53. | 53 |
| 2,950 | 14.6 | 19 | 73 | 35 | — | Previously subjected to gas injection. | 54 |
| 2,930 | 10 | — | — | 36 | — | *Includes data of adjacent Ohio flood. | 55 |
| 3,070 | 10 | 13 | 1 to 300 | 36 | — | | 56 |
| 2,530 | 6.2 | 14 | — | 39.8 | 3.7 @ 100°F. | | 57 |
| 3,200 | 14.8 | 20 | 80 | 39 | 3.7 @ 100°F. | | 58 |
| 2,580 | 8.2 | 14 | — | 39.8 | 2.9 @ 92°F. | | 59 |
| 3,033 | 10 | — | — | — | — | *From 1-1-55 through 10-30-55. Operated by De-Mier Oil during Nov. and Dec., 1955. | 60 |
| 2,980 | 22 | — | — | 37.5 | — | *As of 1-1-55. | 61 |
| 3,003 | 16 | — | — | — | — | *Dump flood. | 62 |
| 2,960 | 30 | — | — | — | — | | 63 |
| 2,960 | 30 | — | — | — | — | | 64 |
| 2,960 | 30 | — | — | — | — | | 65 |
| 2,950 | 12 | 21.1 | 218 | 35.1 | 5 @ 103°F. | | 66 |
| 1,230 | 14 | 20 | 250 | 37 | — | *Cooperative: Shell, Magnolia, McBride, Horton. †Corrected figure. | 67 |
| 3,125 | 14.7 | 23.9 | — | — | — | *Total production since 1-1-53. | 68 |
| 3,200 | 15 | — | — | — | — | | 69 |
| 3,050 | 14 | 17 | 125 | 38 | — | Previously subjected to gas injection. | 70 |
| 2,805 | 6.9 | 18 | — | 36.6 | 3.35 @ 97°F. | *Dump flood. †Corrected figure. | 71 |
| 2,941 | 14 | 16.6 | 775 | 37.8 | 2.47 | | 72 |
| 1,620 | — | — | — | 35.6 | 7.5 @ 86°F. | *Includes primary production since start of flood. | 73 |
| 3,308 | 8 | — | — | 34 | — | *Corrected figure. | 74 |
| 1,866 | 20 | 19.5 | 200 | 38 | 3.5 @ 60°F. | | 75 |
| 2,400 | 5.9 | 16.5 | 58 | 36.4 | 4.2 @ 92°F. | *1954 production 283 bbls. below normal. | 76 |
| 2,400 | 16 | 15.5-19.6 | 75–959 | — | — | | 77 |
| 2,400 | 9.6 | 16.8 | 50 | 38 | 3.6 @ 63°F. | *Also includes J. L. Crawford, Sohio, Sun, Carter leases. †Includes primary production since start of flood. | 78 |
| 2,100 | 15 | 17.5 | 137 | 37.7 | 3.6 @ 63°F. | *Also includes J. L. Crawford, Sohio, Sun, Carter leases. †Includes primary production since start of flood. | 79 |
| 2,100 | 29 | 17.9 | 133 | 35.5 | — | Producing wells flowing. | 80 |

TABLE 14.—

| Map No. | General | | | | |
|---|---|---|---|---|---|
| | Field | Operator | Project | Formation Sand(S), Lime(L) | County |
| 81 | Inman West | Gulf | Inman West Unit | Cypress(S) | Gallatin |
| 82 | Johnson North | Bass & Hamman | North Johnson | Casey(S) | Clark |
| 83 | Johnson North | McMahon | Block "A" | Casey(S) | Clark |
| 84 | Johnson North | McMahon | Block "B" | Casey(S) | Clark |
| 85 | Johnson North | H. V. Sherrill | V. Jones* | Casey(S) | Clark |
| 86 | Johnson North | Tide Water | Clark County #1 | Casey(S) | Clark |
| 87 | Johnson South | Forest | South Johnson | Upper Partlow (S) | Clark |
| 88 | Johnson South | Pure | Johnson Extension #1 | Upper Partlow(S) | Clark |
| 89 | Johnson South | Pure | Johnson Extension #2 | Claypool, Casey, Upper Partlow(S) | Clark |
| 90 | Johnson South | Pure | Pure-Kewanee | Upper Partlow(S) | Clark |
| 91 | Johnson South | Pure | Weaver-Bennett | Upper Partlow(S) | Clark |
| 92 | Johnsonville Consol. | Texas | Johnsonville | McClosky(L) | Wayne |
| 93 | Junction | J. A. Lewis Eng. Inc. | Junction | Waltersburg(S) | Gallatin |
| 94 | Keensburg South | White & Vickery | A. P. Garst | Cypress(S) | Wabash |
| 95 | Keenville | W. Duncan | Keenville Unit | Aux Vases(S) | Wayne |
| 96 | Kenner West | Phillips | West Kenner Unit | Cypress(S) | Clay |
| 97 | Lancaster South | Ashland | Lancaster South | Bethel(S) | Wabash |
| 98 | Lawrence | Bradley | C. M. Perkins | Bridgeport(S) Kirkwood(S) | Lawrence |
| 99 | Lawrence | Calvan American | Piper | Cypress(S) | Lawrence |
| 100 | Lawrence | Calvan American | Waller | Cypress(S) | Lawrence |
| 101 | Lawrence | George & Wrather | Klondike | Bethel(S) | Lawrence |
| 102 | Lawrence | W. W. Holden | Gray | Jackson, Bethel, Renault(S) | Lawrence |
| 103 | Lawrence | Murphy | Stoltz | Kirkwood(S) | Lawrence |
| 104 | Lawrence | Murphy Oil | Stoltz | Main (Second) Bridgeport(S) | Lawrence |
| 105–108 | Lawrence | Ohio | 4 Projects | Bridgeport(S) | Lawrence |
| 109–110 | Lawrence | Ohio | 2 Projects | Kirkwood&Paint Creek(S) | Lawrence |
| 111 | Lawrence | Ree | Snyder | Cypress(S) | Lawrence |
| 112 | Lawrence | H. V. Sherrill | Applegate* | Jackson & Cypress(S) | Lawrence |
| 113 | Livingston | W. H. Krohn | — | Pennsylvanian Sand(S) | Madison |
| 114 | Louden | J. P. Babcock | Rhodes & McCloy | Paint Creek & Benoist(S) | Fayette |
| 115 | Louden | Burtschi Motor Co. | — | Cypress(S) | Fayette |
| 116 | Louden | Carter | Loudon | Cypress(S) Paint Creek(S) Benoist(S) | Fayette |
| 117 | Louden | Jarvis Bros. & Marcel | Homan | Cypress(S) | Fayette |
| 118 | Louden | B. Kidd | Louden | Weiler(S) | Fayette |
| 119 | Louden | Mabee | Louden | Cypress(S) | Fayette |

(Continued)

| Information | | | | Production and Injection Statistics (Barrels) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Location | | | Date first injection | Secondary recovery | | | | | | Map No. |
| | | | | Water injection | | Oil production | | Water production | | |
| Section | Twp. | Rng. | | Total 1955 | Cumulative 12-31-55 | Total 1955 | Cumulative 12-31-55 | Total 1955 | Cumulative 12-31-55 | |
| 15, 16 | 8S | 9E | May, 1955 | 371,996 | 371,996 | None | None | 530 | 530 | 81 |
| 2, 11 | 9N | 14W | June, 1953 | 247,890 | 726,181* | 9,272 | 27,852 | — | — | 82 |
| 2 | 9N | 14W | April, 1949 | 453,492 | 5,426,490 | 10,284 | 240,322 | 128,237* | 2,713,041* | 83 |
| 35, 36 | 10N | 14W | May, 1951 | 175,779 | 895,968 | 11,424 | 47,991 | 38,515* | 200,865* | 84 |
| 1, 3 | 9N | 14W | Sept., 1951 | — | 75,475* | — | 1,235* | — | 2,438* | 85 |
| 2 | 9N | 14W | Feb., 1950 | 313,531 | 1,455,517 | 16,055 | 94,533* | 277,550 | 887,547* | 86 |
| 27, 34, 35 | 9N | 14W | Mar., 1949 | 4,251,791 | 19,379,558 | 155,807 | 661,382 | — | — | 87 |
| 23, 26 | 9N | 14W | Jan., 1954 | 1,757,197 | 2,808,193 | 175,939 | 204,290 | 921,112 | 1,093,487 | 88 |
| 23, 26 | 9N | 14W | Nov., 1955 | 7,241 | 7,241 | None | None | None | None | 89 |
| 22, 27 | 9N | 14W | Jan., 1954 | 478,832 | 802,011 | 48,656 | 53,273 | 147,918 | 156,460 | 90 |
| 27 | 9N | 14W | Jan., 1953 | 1,464,219 | 4,690,857 | 98,617 | 353,865 | 1,354,714 | 2,420,062 | 91 |
| 21, 26, 27, 28 | 1N | 6E | Nov., 1954 | 3,264,550 | 3,339,522 | 223,186 | 233,148* | 867,361 | 994,949* | 92 |
| 33, 34, 35, 3, 4 | 1S | 6E | | | | | | | | |
| 16 | 9S | 9E | May, 1951 | 195,598 | 743,911 | 57,824 | 138,816* | 82,031 | 189,778 | 93 |
| 27 | 2S | 13W | Nov., 1954 | 15,062* | 24,656* | 8,359 | 8,501 | — | — | 94 |
| 28, 29 | 1S | 5E | April, 1954 | 347,139 | 511,439 | 68,947 | 99,647* | 29,150 | 35,600 | 95 |
| 23 | 3N | 5E | Feb., 1952 | 1,548,918 | 3,547,212 | 85,007 | 98,583 | 116,235 | 178,774 | 96 |
| 21 | 1N | 13W | Jan., 1955 | 23,444 | 23,444 | 8,614 | 8,614 | — | — | 97 |
| 32 | 4N | 12W | Feb., 1955 | 141,626* | 141,626 | 7,682 | 7,682† | 130,000 | 130,000 | 98 |
| | | | | 273,533* | 273,533 | | | | | |
| 2, 11 | 4N | 13W | Dec., 1953 | 60,554 | 129,977 | 1,069 | 5,304* | 15,695 | 15,695† | 99 |
| 5, 6 | 2N | 11W | Mar., 1953 | 101,541 | 827,519* | 2,092 | 12,299† | — | — | 100 |
| 25, 26, 35, 36 | 5N | 13W | June, 1952 | 1,407,629 | 2,800,276 | 149,977 | 372,406 | 324,000 | — | 101 |
| 3 | 4N | 13W | May, 1953 | 203,635 | 422,478 | 32,510 | 37,821* | 61,050 | 69,665 | 102 |
| 32 | 4N | 12W | Jan., 1955 | 247,681 | 247,681 | 38,070 | 38,070 | 15,195 | 15,195 | 103 |
| 32 | 4N | 12W | Jan., 1955 | 190,739 | 190,739 | 34,085 | 34,085 | 14,529 | 14,529 | 104 |
| — | — | — | Aug., 1948 | 6,991,061 | 27,894,776 | 961,729 | 4,350,166 | 4,061,375 | 10,864,379 | 105–108 |
| — | — | — | Jan., 1952 | 4,042,254 | 7,658,334 | 841,440 | 1,234,932* | 735,582 | 1,089,808 | 109–110 |
| 0 | 3N | 11W | Oct., 1952 | — | 15,796* | — | 567* | — | 69,350* | 111 |
| 7 | 4N | 12W | Sept., 1952 | — | 162,495* | — | 3,008* | — | 3,600* | 112 |
| 7 | 6N | 6W | July, 1954 | 12,705* | 17,205 | 834 | 834 | — | — | 113 |
| 7, 34 | 8N | 3E | Jan., 1954 | 495,312 | 833,350* | 10,785 | 12,135 | — | — | 114 |
| 8 | 7N | 3E | Oct., 1953 | 58,822 | 168,365 | 34,861 | 72,224 | — | — | 115 |
| | 7, 8N | 3E | Oct., 1950 | 32,408,114 | 63,921,592 | 3,883,731 | 7,262,343 | 3,035,422 | 4,211,577 | 116 |
| 9, 32 | 7N | 3E | Mar., 1954 | 68,550 | 109,598 | None | None | — | — | 117 |
| 8 | 7N | 3E | Sept., 1954 | 82,608 | 121,210 | 11,535 | 12,910 | 25,220 | 25,420 | 118 |
| 9 | 7N | 3E | Aug., 1955 | 56,462 | 56,462 | 100 | 100 | 9,105 | 9,105 | 119 |

TABLE 14.—

| Map No. | Development as of 12-31-55 | | | | | | Injection Water | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | No. of wells | | Injection pattern | Spacing acres per input well | Productive acreage | | Source | Type | Avg. bbls. per day per well per ft. | Avg. well-head press-ure PSI |
| | Inj. | Prod. | | | Sub-jected to inj. | Total | | | | |
| 81 | 10 | 7 | 5-Spot | 20 | 110 | 170 | Penn. Sand | Brine | 9.4 | 681 |
| 82 | 14 | 9 | 5-Spot | 4.5 | 36 | 87 | Produced & Gravel Bed | Brine & Fresh | 2.2 | 187 |
| 83 | 27 | 18 | 3-Spot | 4.4 | 125 | — | Shallow & Produced | Fresh & Brine | 2.3 | 350 |
| 84 | 29 | 13 | 5-Spot | 4.4 | 80 | — | Shallow Sand & Produced | Fresh & Brine | 0.8 | 350 |
| 85 | 3* | 2 | 5-Spot | 4.4 | 15 | 65 | Shallow Sand | Fresh | — | — |
| 86 | 18 | 25 | 5-Spot | 4.4 | 81 | 102 | Shallow Sand & Produced | Fresh & Brine | 2.8 | 365 |
| 87 | 86 | 75 | 5-Spot | 4.4 | 400 | — | Produced | Brine | 2.8 | 267 |
| 88 | 66 | 60 | 5-Spot | 5.0 | 243 | 243 | Produced | Brine | 3.7 | 245 |
| 89 | 69 | 56 | 5-Spot | 4.5 | 234 | 234 | Produced | Brine | — | 245 |
| 90 | 20 | 13 | 5-Spot | 4.4 | 53 | 67 | Produced | Brine | 2.0 | 245 |
| 91 | 38 | 34 | 5-Spot | 4.4 | 114 | 151 | Produced | Brine | 3.0 | 245 |
| 92 | 10 | 142 | Perimeter | 20 | 3,400 | 3,400 | Weiler Sand | Brine | 89.4 | — |
| 93 | 11 | 7 | Irregular 5-Spot | 10 | 263 | 263 | Water Well | Fresh | 3.5 | 900 |
| 94 | 1 | 1 | — | 60 | 60 | 60 | Surface Gravel | Fresh | — | — |
| 95 | 3 | 9 | Perimeter | — | 120 | 120 | Shallow Sand | Fresh | 24.4 | 1,250 |
| 96 | 11 | 18 | Edge | 10 | 329 | 329 | Penn. Sand & Produced | Brine | 14.8 | 660 |
| 97 | 1 | 3 | Irregular | — | 30 | 30 | Tar Springs | Brine | 6.4 | 405 |
| 98 | 9 | 17 | 5-Spot | 10 | 45 | 100 | Buchanan & Produced | Brine | 2.7<br>4.3 | 210<br>0 |
| 99 | 4 | 8 | 5-Spot | 10 | 12.5 | 143.6 | Shallow Sand | Brine | 1.7 | 616 |
| 100 | 8 | 8 | 5-Spot | 10 | 35 | 625 | Shallow Gravel | Brine | — | 136 |
| 101 | 37 | 34 | 5-Spot | 13.5 | 750 | 900 | Shallow Sand | Fresh | 5.8 | 935 |
| 102 | 4 | 2 | 5-Spot | 10 | 10 | 120 | Penn. Sand | Brine | — | 617 |
| 103 | 10 | 8 | 5-Spot | 3 | 25 | 25 | Gravel Beds & Produced | Fresh & Brine | 3.7 | 129 |
| 104 | 9 | 10 | 5-Spot | 3 | 25 | 25 | Gravel Beds & Produced | Fresh & Brine | 2.3 | 215 |
| 105–108 | 138 | 203 | 5-Spot | 10 | 1,218 | — | Gravel Beds & Produced | 2-Proj.–Fresh<br>2-Proj.–Brine | — | — |
| 109–110 | 98 | 116 | 5-Spot | 10 | 938 | — | Gravel Bed | Fresh | — | — |
| 111 | 1* | 2 | — | 2.5 | 10 | 230 | Tar Springs | Brine | — | — |
| 112 | 4* | 1 | 5-Spot | 10 | 10 | 225 | Gravel Bed | Fresh | — | — |
| 113 | 1 | 5 | — | 160 | 160 | 80 | Benoist & Aux Vases | Fresh & Brine | 3.8 | 769 |
| 114 | 7 | 8 | — | 10 | 140 | 140 | Tar Springs | Brine | 5.3 | 350 |
| 115 | 1 | 3 | — | 10 | 20 | — | —* | Brine | 5.4 | — |
| 116 | 330 | 707 | 5-Spot | 20 | 10,294 | 16,000 | Tar Springs | Brine | 9.0 | 333 |
| 117 | 4* | 22 | 5-Spot | 20 | 35 | 400 | Source Well & Produced | Brine | 2.4 | 5 |
| 118 | 1 | 4 | 5-Spot | 20 | 40 | 50 | Tar Springs | Brine | 8.4 | 495 |
| 119 | 3 | 4 | 5-Spot | — | 80 | 80 | Tar Springs | Brine | 4.2 | 70 |

Continued)

| Reservoir Statistics (Average Values) | | | | | | Remarks | Map No. |
|---|---|---|---|---|---|---|---|
| Depth feet | Net pay thickness feet | Porosity per cent | Permeability millidarcys | Oil gravity API | Oil viscosity centipoises | | |
| 2,500 | 16.5 | 13.5 | 40 | 38.6 | 3.88 @ 100°F. | | 81 |
| 400 | 22 | 19.2 | 225 | 33 | 13.6— | *Corrected figure. | 82 |
| 450 | 10–30 | 20.8 | 399 | 33.9 | 19 | *As of April 30, 1955. Previously subjected to gas injection. | 83 |
| 480 | 22 | 18.3 | 66 | 33 | 10 @ 70°F. | *As of April 30, 1955. Previously subjected to gas injection. | 84 |
| 440 | 19 | 19.8 | 252 | 34.5 | 17 @ 67°F. | *Project temporarily shut down since 2-15-54. Sold to Dearborn Oil and Gas Co. | 85 |
| 425 | 17 | 20.6 | 415 | 33.9 | 10.7 @ 70°F. | *Corrected figure. Subjected to gas injection 1946–47. | 86 |
| 490 | 48 | 16.6 | 319 | 29.2 | 14.7 @ 77°F. | Previously subjected to gas injection. | 87 |
| 465 | 35 | 18.91 | 312 | 29.7 | 21 @ 65°F. | | 88 |
| 420–500 | 19–15–30 | 20.6 | 294 | — | — | | 89 |
| 507 | 33 | 18.2 | 277 | 29.7 | 25.5 @ 65°F. | Previously subjected to air injection. | 90 |
| 467 | 35.5 | 18.6 | 285 | 29.7 | 25.5 @ 65°F. | | 91 |
| 3,100 | 10 | 15.5 | 850 | — | — | *Corrected figure. | 92 |
| 1,750 | 14 | 13.4 | 21.9 | 34.7 | 6.7 @ 81°F. | *Corrected figure. | 93 |
| 2,403 | 15 | 20.6 | 134 | 37.5 | 4.6 @ 91°F. | *Injection temporarily shut down Sept., 1955. | 94 |
| 2,950 | 13 | 20 | 155 | 39 | 3.5 @ 97°F. | *Includes primary production since start of flood. | 95 |
| 2,600 | 26 | 18 | 125 | — | — | | 96 |
| 2,520 | 10 | — | — | — | — | | 97 |
| 900 | 18–20 | 18 | 125 | 36 | — | *Includes 6 line wells with Ohio. †Includes primary production since 2-1-55. | 98 |
| 1,375 | 22–24 | 14.2 | 28 | 36 | — | | |
| 1,520 | 25 | 20.8 | 33 | 38.6 | 3.5 @ 86°F. | *Corrected figure. †Since 1-1-55. | 99 |
| 1,535 | 50 | 18.5 | 70 | 39.5 | 5 @ 85°F. | *Injection shut down June, 1955. †Corrected figure. | 100 |
| 1,625 | 18 | 17.2 | 60 | 37.8 | 5.2 @ 80°F. | | 101 |
| J. 1,428 | J. 8 | J. 18.4 | J. 95 | | | | |
| B. 1,611 | B. 14.5 | B. 14.6 | B. 13 | — | 5 @ 85°F. | *Includes primary production since start of flood. | 102 |
| R. 1,632 | R. 15 | R. 18.5 | R. 17.2 | | | | |
| 1,400 | 18.5 | 17.3 | 17.5 | 37 | — | | 103 |
| 860 | 25 | 22.3 | 148 | 37 | — | | 104 |
| — | — | 20 | Varied | — | — | *Includes primary production since start of floods. Previously subjected to gas injection. | 105–108 |
| — | — | 20 | — | — | — | *Includes primary production since start of floods. | 109–110 |
| 1,580 | 25 | 21.2 | 125 | 38.6 | 4.1 @ 85°F. | *Temporarily shut down since start of flood. Dump flood. | 111 |
| 1,320 | 22.7 | 20.1 | 62 | 34.7 | 4.3 @ 81°F. | *Project temporarily shut down since 8-24-54. Pilot flood. Sold to Oldfield Oil. | 112 |
| 1,384 | 10 | 20.8 | 29 | — | | | |
| 520 | 15 | — | — | 33.5 | — | *Shut down from 10-15-54 to 5-15-55. | 113 |
| ,558 & 1,584 | 25 | — | — | 37 | — | *Corrected figure, previously subjected to gas injection. | 114 |
| 1,492 | 30 | — | — | — | — | *Water supplied by Carter, previously subjected to gas injection. | 115 |
| 1,500 | 30 | 20 | 105 | 38 | 2.6 @ 79°F. | Previously subjected to gas injection. | 116 |
| 1,560 | 20 | 18 | — | 36 | — | *Increased from 1 to 4 inputs in Oct., 1955. | 117 |
| 1,450 | 27 | — | — | 38 | — | | 118 |
| 1,550 | 30 | — | — | 36 | — | | 119 |

TABLE 14.—

| Map No. | General | | | | |
|---|---|---|---|---|---|
| | Field | Operator | Project | Formation Sand(S), Lime(L) | County |
| 120 | Louden | Shell | Louden S. Flood Unit | Cypress(S) | Fayette |
| 121 | Main Consol. | Arkansas Fuel | North Morris | Robinson(S) | Crawford |
| 122 | Main Consol. | Ashland | Birds #1 | Robinson(S) | Crawford |
| 123 | Main Consol. | Bell Bros. | Barrick | Robinson(S) | Crawford |
| 124 | Main Consol. | Calvan American | Bishop | Robinson(S) | Crawford |
| 125 | Main Consol. | Calvan American | Grogan | Robinson(S) | Crawford |
| 126 | Main Consol. | Calvan American | Mitchell | Robinson(S) | Crawford |
| 127 | Main Consol. | E. Constantine | J. S. Kirk | Robinson(S) | Crawford |
| 128 | Main Consol. | E. Constantine | Sanders | Robinson(S) | Crawford |
| 129 | Main Consol. | E. Constantine | Short | Robinson(S) | Crawford |
| 130 | Main Consol. | E. Constantine | Smith | Robinson(S) | Crawford |
| 131 | Main Consol. | E. Constantine | Wood | Robinson(S) | Crawford |
| 132 | Main Consol. | D. W. Franchot | Birds Flood* | Robinson(S) | Crawford |
| 133 | Main Consol. | G. M. J. | Porterville | Robinson(S) | Crawford |
| 134 | Main Consol. | Kewanee | Wright | Robinson(S) | Crawford |
| 135 | Main Consol. | A. J. Leverton | Stanfield | Robinson(S) | Crawford |
| 136 | Main Consol. | Logan | Alexander, Reynolds | Robinson(S) | Crawford |
| 137 | Main Consol. | Mahutska Oil | Center | Robinson(S) | Crawford |
| 138–149 | Main Consol. | Ohio | 12 Projects | Robinson(S) | Crawford |
| 150 | Main Consol. | Partlow & Cochonour | Rich | Robinson(S) | Crawford |
| 151 | Main Consol. | Petroleum Producing | — | Robinson(S) | Crawford |
| 152 | Main Consol. | W. L. Pickens | Hughes-Robinson | Robinson(S) | Crawford |
| 153 | Main Consol. | Red Head | "DIM" | Robinson(S)* | Crawford |
| 154 | Main Consol. | Ree* | Culver | Robinson(S) | Crawford |
| 155 | Main Consol. | Ree | Culver (Extension) | Robinson(S) | Crawford |
| 156 | Main Consol. | Ree* | Little John | Robinson(S) | Crawford |
| 157 | Main Consol. | Ree* | Meserve† | Robinson(S) | Crawford |
| 158 | Main Consol. | E. C. Reeves | Billingsley | Robinson(S) | Crawford |
| 159 | Main Consol. | Shakespeare | McIntosh Unit | Robinson(S) | Crawford |
| 160 | Main Consol. | Shakespeare | Montgomery Unit | Robinson(S) | Crawford |
| 161 | Main Consol. | Skiles | Correll-Gurley* | Robinson #4(S) | Crawford |
| 162 | Main Consol. | Skiles | Weger | Robinson(S) | Crawford |
| 163 | Main Consol. | Tide Water | Barrick-Walters | Robinson(S) | Crawford |
| 164 | Main Consol. | Tide Water | Birch #1 | Robinson(S) | Crawford |
| 165 | Main Consol. | Tide Water | Birds Area | Robinson(S) | Crawford |

(Continued)

| Information | | | | Production and Injection Statistics (Barrels) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Secondary recovery | | | | | | |
| Location | | | Date first injection | Water injection | | Oil production | | Water production | | Map No. |
| Section | Twp. | Rng. | | Total 1955 | Cumulative 12-31-55 | Total 1955 | Cumulative 12-31-55 | Total 1955 | Cumulative 12-31-55 | |
| 21, 28, 29 | 7N | 3E | Mar., 1955 | 878,616 | 878,616 | 85,053 | 85,053 | 199,386 | 199,386 | 120 |
| 2 | 7N | 13W | April, 1951 | 93,481 | 664,551 | 1,022 | 26,276 | 66,300 | 417,283 | 121 |
| 9, 10, 15, 16 | 5N | 11W | May, 1954 | 3,035,097 | 5,036,208 | 88,936 | 115,234 | 1,136,800 | 1,210,048 | 122 |
| 13 | 7N | 13W | Oct., 1954 | 67,101 | 80,126 | None | None | None | None | 123 |
| 20 | 8N | 12W | Nov., 1953 | 151,958 | 238,883 | 4,173 | 4,608* | 39,420 | 39,420† | 124 |
| 4, 9 | 7N | 13W | Oct., 1953 | 57,568 | 193,513 | 377 | 1,098* | 5,110 | 5,110† | 125 |
| 24, 25 | 7N | 13W | June, 1953 | 116,798 | 268,130* | 11,618 | 22,803† | 22,844 | 31,127 | 126 |
| 29, 30, 31, 32 | 7N | 12W | Aug., 1951 | 234,209 | 466,522 | 10,315 | 23,030 | 76,230 | 148,230* | 127 |
| 1, 2, 3 | 5N | 13W | Aug., 1952 | 1,546,814 | 4,026,450 | 22,833 | 56,973 | 589,400 | 949,400* | 128 |
| 26, 34, 35, 36 | 6N | 13W | | | | | | | | |
| 5, 6 | 6N | 13W | Feb., 1952 | 1,004,465 | 2,534,107 | 67,903 | 143,667 | 233,380 | 341,380* | 129 |
| 31, 32 | 7N | 13W | | | | | | | | |
| 7 | 7N | 12W | Mar., 1954 | 126,037 | 276,522 | 640 | 797 | 365 | 665 | 130 |
| 12 | 7N | 13W | | | | | | | | |
| 31, 32 | 8N | 12W | Aug., 1952 | 795,358 | 2,279,783 | 20,856 | 64,350 | 209,870 | 333,870* | 131 |
| 21, 22 | 5N | 11W | June, 1951 | 1,765,674 | 4,875,187 | 116,008 | 252,837 | — | 400,000 | 132 |
| 25, 36 | 8N | 13W | May, 1954 | 188,246 | 267,719* | 2,789 | 3,879† | — | — | 133 |
| 23, 26 | 6N | 13W | Jan., 1953 | 340,770 | 1,004,641 | 766 | 1,760 | 82,779 | 187,978 | 134 |
| 17 | 8N | 12W | June, 1952 | — | 46,800* | — | 430* | — | 5,300* | 135 |
| 20 | 7N | 12W | Dec., 1951 | 535,343 | 1,073,799 | 65,537 | 133,833 | 139,310 | 216,960 | 136 |
| 10 & 15 | 6N | 13W | May, 1954 | 1,064,900 | 1,530,900 | 93,695 | 99,907 | 78,000* | — | 137 |
| — | — | — | ——, 1948 | 12,262,392 | 40,954,520 | 634,567 | 2,945,433 | 4,081,047 | 12,810,379 | 138–149 |
| 35 | 6N | 12W | Oct., 1954 | 72,000 | 78,000 | 4,930 | 5,000 | 2,400 | 2,580 | 150 |
| 29, 32 | 8N | 12W | Sept., 1951 | 90,000 | 354,855 | None | None | None | None | 151 |
| 22, 27, 28 | 6N | 13W | June, 1951 | 863,268 | 2,202,288 | 42,730 | 131,655 | 197,637 | 412,743 | 152 |
| 25, 26 | 6N | 13W | July, 1953 | 710,155 | 1,086,135 | 16,336 | 20,175 | — | — | 153 |
| 5, 6, 7 | 7N | 12W | Feb., 1953 | 213,511 | 682,676 | 688 | 2,497† | 28,733 | 66,203 | 154 |
| 18 | 7N | 12W | Mar., 1954 | * | 72,206 | * | None | * | None | 155 |
| 20 | 6N | 12W | Oct., 1952 | 111,542 | 257,022 | 5,331 | 6,094 | 18,796 | 25,414 | 156 |
| 11 | 6N | 12W | Nov., 1953 | 60,535 | 250,500 | 355 | 1,183 | 12,673 | 39,083 | 157 |
| 34, 35 | 7N | 13W | Dec., 1953 | 437,324 | 809,152 | 12,964 | 23,387 | 6,240 | 6,885 | 158 |
| 17, 18, 19, 20 | 6N | 12W | July, 1954 | 64,675 | 92,965 | 2,881 | 2,881 | 20,000 | 22,675* | 159 |
| 4 | 5N | 12W | May., 1954 | 79,517 | 121,864 | 2,455 | 2,504* | 11,750 | 17,450† | 160 |
| 32, 33 | 6N | 12W | | | | | | | | |
| 10 | 7N | 12W | July, 1951 | 203,556* | 1,207,325* | 4,319* | 29,756* | 71,650* | 226,810* | 161 |
| 18, 19 | 5N | 11W | Nov., 1952 | 281,691 | 724,798 | 4,035 | 5,882 | 56,800 | 96,800* | 162 |
| 13, 24 | 5N | 12W | | | | | | | | |
| 19 | 7N | 12W | Mar., 1954 | 258,452 | 447,835 | 18,212 | 25,168* | 24,640 | 38,440* | 163 |
| 14 | 6N | 13W | Aug., 1954 | 145,818 | 201,002 | 22,459 | 27,782* | 8,175 | 10,455* | 164 |
| 16, 20, 21 | 5N | 11W | Feb., 1952 | 272,260 | 755,195 | 51,308 | 89,460* | 547,400 | 788,445* | 165 |

TABLE 14.—

| Map No. | Development as of 12-31-55 | | | | | | Injection Water | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | No. of wells | | Injection pattern | Spacing acres per input well | Productive acreage | | Source | Type | Avg. bbls. per day per well per ft. | Avg. well-head press-ure PSI |
| | Inj. | Prod. | | | Sub-jected to inj. | Total | | | | |
| 120 | 20 | 21 | 5-Spot | 20 | 350 | 590 | Tar Springs | Brine | 8.5 | 24 |
| 121 | 5 | 7 | Modified 5-Spot | 4.4 | 44 | 100 | Buchanan | Brine | 4.3 | 485 |
| 122 | 67 | 53 | 5-Spot | 10 | 530 | 580 | Penn. Sand | Brine | 4.1 | 508 |
| 123 | 1 | 6 | 5-Spot | — | 20 | 40 | Cypress Sand & Produced | Fresh & Brine | 3.3 | 116 |
| 124 | 6 | 3 | 5-Spot | 10 | 20 | 474 | Penn. Sand | Brine | 3.1 | 313 |
| 125 | 8 | 5 | 5-Spot | 10 | 27.5 | 231 | Penn. Sand | Brine | 0.9 | 146 |
| 126 | 13 | 18 | 5-Spot | 10 | 62.5 | 240.3 | Penn. Sand | Brine | — | 368 |
| 127 | 14 | 23 | 5-Spot | 10 | 80 | 540 | City Water | Fresh | 0.9 | 285 |
| 128 | 72 | 101 | 5-Spot | 10 | 650 | 1,640 | Lower Penn. | Brine | 2.9 | 304 |
| 129 | 26½ | 33 | 5-Spot | 10 | 160 | 533 | Lower Penn. 300′ Sand | Brine | 3.5 | 308 |
| 130 | 6 | 5 | 5-Spot | 10 | 50 | 280 | Surface Water | Fresh | 2.3 | 321 |
| 131 | 24 | 30 | 5-Spot | 10 | 210 | 425 | Lower Penn. | Brine | 2.9 | 342 |
| 132 | 58 | 57 | 5-Spot | 10 | 440 | 1,600 | Gravel Bed & Wabash R. | Fresh | — | 290 |
| 133 | 3 | 13 | 5-Spot | — | 40 | 550 | Lake & Produced | Fresh & Brine | 5.7 | 546 |
| 134 | 15 | 34 | 5-Spot | 10 | 113 | 210 | Lake & Produced | Fresh & Brine | 4.1 | 446 |
| 135 | 3 | 3 | 5-Spot | 4.4 | 20 | 140 | Shallow Sand & Pro-duced | Fresh & Brine | — | — |
| 136 | 20 | 23 | 5-Spot | — | 90 | 330 | Cypress | Brine | 3.3 | 420 |
| 137 | 35 | 45 | 5-Spot | 4.45 | 170 | 650 | Surface & Produced | Fresh & Brine | 4.3 | 292 |
| 138–149 | 342 | 406 | 5-Spot | 10 | 2,210 | — | Gravel Beds & Produced | Brine & Fresh | — | — |
| 150 | 3 | 7 | Line | 5 | 40 | 100 | Penn. Sand | Brine | 5.5 | 200 |
| 151 | 4 | 2 | 5-Spot | 10 | 40 | 700 | Shallow Sand & Pond | Fresh | 4.1 | 300 |
| 152 | 15 | 12 | 5-Spot | 10 | 40 | 298 | Shallow Sand | Fresh | 5.3 | 450 |
| 153 | 18 | 14 | 5-Spot | 10 | 103 | — | 230′ Sand & Surface | Fresh & Brine | 10.8 | 400 |
| 154 | 8 | 8 | 5-Spot | 10 | 20 | 710 | Lake | Fresh | — | — |
| 155 | 2 | 0 | 5-Spot | 4.5 | 6 | 114 | Lake | Fresh | — | — |
| 156 | 3 | 9 | Irregular | 4.5 | 13 | 100 | Lake & Water Well | Fresh | — | — |
| 157 | 4 | 4 | 5-Spot | 10 | 10 | 525 | Penn. Sand | Brine | — | — |
| 158 | 6 | 7 | 5-Spot | 10 | 115 | 350 | Base of Penn. | Brine | 10.0 | 187 |
| 159 | 2 | 9 | Peripheral | 4.7 | 16 | 88 | Penn. Sand | Brine | 8.8 | 95 |
| 160 | 2 | 8 | Modified 5-Spot | 6–10 | 20 | 85 | Robinson(S) | Brine | — | 352 |
| 161 | 18* | 17 | 5-Spot | 10 | 180 | — | Creek & Penn. Sand | Fresh & Brine | 3.1* | — |
| 162 | 9 | 11 | 5-Spot | 10 | 90 | 110 | Creek & Produced | Fresh & Brine | 4.3 | 450 |
| 163 | 8 | 27 | 5-Spot | 10 | 64 | 300 | Mississippian | Brine | 4.7 | 366 |
| 164 | 4 | 11 | 5-Spot | 10 | 35 | 60 | Gravel Bed | Fresh | 7.1 | 268 |
| 165 | 15 | 49 | 5-Spot | 10 | 137 | 277 | Tar Springs | Brine | 2.8 | 421 |

(Continued)

| Reservoir Statistics (Average Values) | | | | | | Remarks | Map No. |
|---|---|---|---|---|---|---|---|
| Depth feet | Net pay thickness feet | Porosity per cent | Permeability millidarcys | Oil gravity API | Oil viscosity centipoises | | |
| 1,550 | 18.4 | 20.4 | 164.2 | 36.6 | 4.7 @ 60°F. | | 120 |
| 983 | 12 | 21 | 243 | 32 | 73 @ 65°F. | Previously subjected to gas injection. | 121 |
| 950 | 30 | 21 | 136 | 31 | 15 @ 75°F. | | 122 |
| 960 | 56 | 19.2 | 126 | — | — | Previously subjected to gas injection. | 123 |
| 950 | 22.4 | 22.1 | 156 | 35.7 | 10 @ 78°F. | *Corrected figure and includes primary production since 1-1-54. †Since 1-1-55. | 124 |
| 950 | 22.4 | 22.1 | 156 | 35 | 10 @ 78°F. | *Corrected figure and includes primary production since 1-1-53. †Since 1-1-55. | 125 |
| 880 | 22 | 23.8 | 94 | 33.2 | 10 @ 78°F. | *Corrected figure. †Includes primary production since 1-1-53. | 126 |
| 900 | 50 | 17.0 | 170 | 34 | — | Previously subjected to gas injection. *Since 1-1-54. | 127 |
| 880 | 20 | 21 | 205 | 32 | — | Previously subjected to gas injection. *Since 1-1-54. | 128 |
| 850 | 30 | 22 | 130 | 32 | — | Previously subjected to gas injection. *Since 1-1-54. | 129 |
| 900 | 25 | 18 | 70 | 34 | — | Previously subjected to gas injection. | 130 |
| 850 | 30 | 21 | 105 | 32 | — | Previously subjected to gas injection. *Since 1-1-54. | 131 |
| 950 | 24 | 18.9 | 162 | 31.7 | 21 @ 60°F. | *Includes Yingling Lindsay flood since 4-1-55 (see Map No. 178). | 132 |
| 900 | 30 | 17.2 | 45 | 38.6 | — | *Corrected figure. †Includes primary production since start of flood. | 133 |
| 900 | 15 | 20 | 245 | — | — | Previously subjected to gas injection. | 134 |
| 977 | 30 | 23 | 57 | 36 | — | *As of 1-1-54. | 135 |
| 940 | 22 | 20.5 | 167 | 36 | 7 @ 80°F. | | 136 |
| 925 | 20 | 19 | 70 | 33 | — | *Estimated. Previously subjected to gas injection. | 137 |
| — | — | 20 | — | — | — | Previously subjected to gas injection. | 138–149 |
| 1,006 | 12 | 24.3 | 240 | 26 | — | | 150 |
| 1,000 | 15 | 20 | 75 | — | — | | 151 |
| 850 | 30 | 19.5 | 125 | 32 | 10 @ 80°F. | | 152 |
| 830 | 10 | — | — | 31 | — | *Upper and lower Robinson flooded together. Previously subjected to gas injection. | 153 |
| 950 | 50 | 22.7 | 101 | — | 10 @ 78°F. | *Operated by National Cylinder & Gas prior to 12-1-55. †Includes primary production since 1-1-53. | 154 |
| 945 | 14 | 20.8 | 154 | 32.4 | — | *Temporarily shut down during 1955. | 155 |
| 850 | 24 | 20 | 50 | — | 10 @ 70°F. | *Operated by Davison & Ryerson prior to 12-1-55. Previously subjected to gas injection. | 156 |
| 950 | 22.7 | 21.9 | 89 | — | 10 @ 79°F. | *Operated by National Cylinder & Gas prior to 12-1-55. †Temporarily shut down since May, 1955. | 157 |
| 925 | 20 | 30 | 45 | 35 | — | | 158 |
| 900–950 | 12 | — | — | 32.6 | 11 @ 75°F. | *Estimated. Previously subjected to gas injection. | 159 |
| 975 | 25.8 | 22.6 | 150 | 28.3 | 23 @ 71°F. | *Corrected figure. †Estimated. | 160 |
| 1,035 | 20 | 22.2 | 100 | 33 | 13.5— | *Abandoned 9-55. Previously subjected to gas inj. | 161 |
| 900 | 20 | 17 | 37 | — | — | *Estimated. | 162 |
| 950 | 19 | 20 | 152 | 35 | 7 @ 60°F. | *Corrected figure. | 163 |
| 881 | 14 | 19.1 | 108 | 32 | — | *Corrected figure. | 164 |
| 950 | 18 | 19.4 | 197 | 30.1 | — | *Corrected figure. Subjected to gas injection 1946-52. | 165 |

TABLE 14.—

| Map No. | Field | Operator | Project | Formation Sand(S), Lime(L) | County |
|---|---|---|---|---|---|
| | | | | | General |
| 166 | Main Consol. | Tide Water | Clark–Hulse | Robinson(S) | Crawford |
| 167 | Main Consol. | Tide Water | Dennis-Hardin | Robinson(S) | Crawford |
| 168 | Main Consol. | Tide Water | Henry-Ikemire | Robinson(S) | Crawford |
| 169 | Main Consol. | Tide Water | W. A. Howard | Robinson(S) | Crawford |
| 170 | Main Consol. | Tide Water | Lefever-Musgrave | Robinson(S) | Crawford |
| 171 | Main Consol. | Tide Water | Montgomery & Seitzinger | Robinson(S) | Crawford |
| 172 | Main Consol. | Tide Water | Stahl-Walters | Robinson(S) | Crawford |
| 173 | Main Consol. | Tide Water | Stifle-Drake | Robinson(S) | Crawford |
| 174 | Main Consol. | Tide Water | G. L. Thompson | Robinson(S) | Crawford |
| 175 | Main Consol. | G. H. Wickham | J. C. Wilson | Robinson(S) | Crawford |
| 176 | Main Consol. | Wilson | Hughes-Walker | Robinson(S) | Crawford |
| 177 | Main Consol. | Wiser | H. J. Musgrave | Robinson(S) | Crawford |
| 178 | Main Consol. | Yingling* | Lindsay | Robinson(S) | Crawford |
| 179 | Maple Grove Consol. | Ashland | Bennington | McClosky(L) | Edwards |
| 180 | Maple Grove Consol. | Investment Oil | — | McClosky(L) | Edwards |
| 181 | Markham City | Tide Water | Newton | McClosky(L) | Jefferson |
| 182 | Markham City West | Gulf | W. Markham City Unit | Aux Vases(S) McClosky(L) | Jefferson |
| 183 | Martinsville | Magnolia | Carper* | Carper(S) | Clark |
| 184 | Martinsville | Magnolia | Casey* | Casey(S) | Clark |
| 185 | Mattoon | Carter | Mattoon | Cypress(S), Rosiclare(S) | Coles |
| 186 | Mattoon | Noknil* | Mattoon | Rosiclare(S) | Coles |
| 187 | Maunie South | Magnolia | Maunie Co-op.* | Tar Springs(S) | White |
| 188 | Maunie South | Magnolia | Palestine | Palestine(S) | White |
| 189 | Maunie South | Magnolia | Tar Springs | Tar Springs(S) | White |
| 190 | Maunie South | Magnolia | Tar Springs Unit #2* | Tar Springs(S) | White |
| 191 | Mill Shoals | Sohio | B. R. Gray, Trustee | Aux Vases(S) | Hamilton |
| 192 | Mt. Carmel | G. S. Engle | G. Dunkel | Biehl(S) | Wabash |
| 193 | Mt. Carmel | First Nat'l Pet. Trust | Shaw Courter | Biehl(S) | Wabash |
| 194 | Mt. Carmel | First Nat'l Pet. Trust | Shaw Courter | Cypress(S) | Wabash |
| 195 | Mt. Carmel | T. W. George | North Mt. Carmel | Cypress(S) | Wabash |
| 196 | Mt. Carmel | O'Meara Brothers | Mt. Carmel | Cypress(S) | Wabash |
| 197 | Mt. Carmel | Shell | Mt. Carmel | Cypress(S) | Wabash |
| 198 | Mt. Carmel | Skiles | Chapman-Courter | Cypress(S) | Wabash |
| 199 | Mt. Carmel | Texas | Stein | Tar Springs(S) | Wabash |
| 200 | New Harmony Consol. | Calstar | Ford "B"* | Aux Vases(S) | White |

(Continued)

| Information | | | | Production and Injection Statistics (Barrels) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Location | | | Date first injection | Secondary recovery | | | | | | Map No. |
| | | | | Water injection | | Oil production | | Water production | | |
| Section | Twp. | Rng. | | Total 1955 | Cumulative 12-31-55 | Total 1955 | Cumulative 12-31-55 | Total 1955 | Cumulative 12-31-55 | |
| 18 | 7N | 13W | Jan., 1952 | 387,656 | 910,279* | 55,599 | 122,824* | 144,950 | 280,767* | 166 |
| 27, 34 | 6N | 13W | Aug., 1950 | 480,255 | 2,114,478* | 117,191 | 376,875* | 344,700 | 998,187* | 167 |
| 10, 15 | 7N | 13W | Feb., 1948 | 367,296 | 2,645,463* | 32,888 | 366,804* | 227,530 | 1,815,311* | 168 |
| 11 | 7N | 13W | Dec., 1952 | 98,484 | 290,952* | 5,414 | 23,494* | 32,815 | 123,425* | 169 |
| 13 | 7N | 14W | Feb., 1954 | 125,306 | 267,862 | 30,024 | 34,339* | 10,830 | 18,355* | 170 |
| 15, 16 | 5N | 11W | May, 1954 | 42,610 | 85,593 | 2,362 | 3,454 | 22,875 | 37,455 | 171 |
| 13, 14 | 7N | 13W | Nov., 1954 | 47,136 | 55,542 | 2,792 | 2,956 | 8,845 | 9,090* | 172 |
| 10 | 7N | 13W | June, 1952 | 184,618 | 654,387 | 10,357 | 22,140* | 56,280 | 152,706 | 173 |
| 26, 27 | 6N | 13W | Sept., 1952 | 305,441 | 598,914* | 22,356 | 36,918* | 53,680 | 74,122* | 174 |
| 7, 8, 17, 18 | 7N | 12W | ——, 1955 | * | — | None | None | — | — | 175 |
| 26 | 6N | 13W | Aug., 1950 | — | — | — | 39,604* | — | 56,290* | 176 |
| 18 | 7N | 12W | Oct., 1955 | 18,383 | 18,383 | None | None | None | None | 177 |
| 16 | 5N | 11W | Aug., 1950 | — | 2,252,848† | — | 91,900† | — | — | 178 |
| 7 | 1N | 10E | Sept., 1952 | 65,700 | 215,780* | 30,009 | 68,073† | — | — | 179 |
| 8, 9 | 1N | 10E | July, 1955 | * | * | 80 | 80 | 220 | 220 | 180 |
| 1 | 3S | 4E | Aug., 1955 | * | * | None | None | None | None | 181 |
| 3, 4, 9, 10 | 3S | 4E | April, 1954 | 184,419 | 327,860 | 14,081 | 18,023* | 83,589 | 116,565 | 182 |
| 30 | 10N | 13W | Jan., 1951 | * | 1,110,949* | 321* | 10,376* | 1,239* | 9,605* | 183 |
| 19 | 10N | 13W | Aug., 1950 | * | 872,185* | * | 2,345* | * | 33,505* | 184 |
| 35 | 12N | 7E | May, 1952 | 1,657,010 | 2,777,496 | 135,850 | 215,399 | 266,370 | 442,363* | 185 |
| 22 | 12N | 7E | Nov., 1950 | — | 248,682† | — | 3,571† | — | 86,926† | 186 |
| 24, 19 | 6S | 10E, 11E | Nov., 1955 | 32,340 | 32,340 | 1,522† | 1,522 | 19,573 | 19,573 | 187 |
| 13, 24 | 6S | 10E | Feb., 1953 | 1,889,804 | 4,222,185 | 532,529 | 1,182,557* | 1,430,400 | 1,706,527 | 188 |
| 24, 19 | 6S | 10E, 11E | Aug., 1947 | 441,957 | 4,504,829 | 12,296 | 784,563* | 343,136 | 1,981,159 | 189 |
| 24, 19 | 6S | 10E, 11E | Nov., 1949 | * | 639,215* | * | 60,344* | * | 208,636* | 190 |
| 1 | 4S | 7E | May, 1952 | 270,301 | 876,524 | 85,937 | 223,781* | 81,720 | 151,081 | 191 |
| 5 | 1S | 12W | June, 1952 | 56,944 | 132,554* | 6,458 | 23,100† | 10,950 | 20,950* | 192 |
| 7 | 1S | 12W | Feb., 1950 | 44,808 | 306,486 | 5,360 | 65,602 | 18,980 | 148,325 | 193 |
| 7 | 1S | 12W | April, 1953 | 54,405 | 212,742 | 12,252 | 26,271 | 3,916 | 9,463 | 194 |
| 4, 5 | 1S | 12W | Aug., 1955 | 45,532 | 45,532 | None | None | None | None | 195 |
| 17 | 1S | 12W | July, 1954 | 354,451 | 547,403 | 19,794 | 19,819 | 73,652 | 73,652* | 196 |
| 17, 18 | 1S | 12W | July, 1954 | 943,597 | 1,331,297 | 90,161 | 90,040* | 61,025 | 63,018 | 197 |
| 7, 18 | 1S | 12W | Jan., 1955 | 208,136 | 208,136 | 39,098 | 39,098* | 9,120 | 9,120 | 198 |
| 5, 8 | 1S | 12W | Feb., 1952 | 118,683 | 339,140 | 22,399 | 61,833 | 108,876 | 170,573 | 199 |
| 21 | 4S | 14W | Mar., 1953 | 47,214 | 152,020 | 8,844 | 8,844 | 1,375 | 1,375 | 200 |

TABLE 14.—

| Map No. | Development as of 12-31-55 | | | | | | Injection Water | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | No. of wells | | Injection pattern | Spacing acres per input well | Producting acreage | | Source | Type | Avg. bbls. per day per well per ft. | Avg. well-head pressure PSI |
| | Inj. | Prod. | | | Subjected to inj. | Total | | | | |
| 166 | 13 | 19 | 5-Spot | 7 | 59 | 98 | Gravel Bed | Fresh | 4.1 | 373 |
| 167 | 10 | 18 | 5-Spot | 10 | 89 | 93.5 | — | Fresh | 3.9 | 375 |
| 168 | 22 | 44 | 5-Spot | 4.4 | 91 | 115 | Gravel Bed & Penn. Sand | Fresh & Brine | 3.3 | 472 |
| 169 | 7 | 10 | 5-Spot | 10 | 50 | 90 | Gravel Bed & Penn. Sand | Fresh & Brine | 3.0 | 438 |
| 170 | 10 | 14 | 5-Spot | 10 | 50 | 110 | — | Fresh | 1.7 | 368 |
| 171 | 2 | 11 | — | — | 20 | 40 | Tar Springs | Brine | 4.2 | 535 |
| 172 | 3 | 7 | — | — | 35 | 80 | Gravel Bed | Fresh | 2.3 | 422 |
| 173 | 6 | 22 | 5-Spot | 10 | 22 | 160 | Penn. Sand | Brine | 5.6 | 439 |
| 174 | 4 | 8 | 5-Spot | 10 | 40 | 40 | Gravel Bed | Fresh | 10.0 | 432 |
| 175 | 4 | 5 | Line Wells | 10 | 50 | — | Gravel Beds & Produced | Fresh & Brine | — | — |
| 176 | 8† | 8 | — | — | 40† | 40 | Gravel Beds & Produced | Fresh & Brine | — | — |
| 177 | 2 | 7 | 5-Spot | 10 | 40 | 160 | Gravel Beds | Fresh | 3.4 | 87 |
| 178 | — | — | 5-Spot | 4.4 | — | — | 1,300′ Sand | Brine | — | — |
| 179 | 1 | 6 | Flank | — | 110 | 110 | Produced | Brine | 37.1 | — |
| 180 | 1 | 4 | — | — | 20 | 118 | Perf. 542-48, 573-85, 600-606 | Fresh | — | — |
| 181 | 1 | 1 | — | — | 40 | 40 | Cypress | Brine | — | — |
| 182 | 4† | 21 | Flank | — | A.V.-154 McCL.-100 | A.V.-302 McCL.-230 | Cypress | Brine | — | 347 0 |
| 183 | 4* | 1 | 5-Spot | 10 | 10 | 50 | Gravel Bed | Fresh | — | — |
| 184 | 8* | 3 | 5-Spot | 10 | 23 | 110 | Gravel Bed | Fresh | — | — |
| 185 | 28 | 32 | 5-Spot | 20 | 451 | 570 | Sewage Effluent & Produced | Fresh & Brine | 12.5 | 669 |
| 186 | 2† | 5 | Irregular | — | 30 | 60 | Produced | Brine | — | — |
| 187 | 2 | 5 | Irregular | — | 30 | 30 | Gravel Bed | Fresh & Brine | — | — |
| 188 | 21 | 22 | 5-Spot | 20 | 237 | 430 | Gravel Bed | Fresh | — | — |
| 189 | 12 | 12 | 5-Spot | 20 | 230 | 240 | Gravel Bed & Produced | Fresh & Brine | — | — |
| 190 | 3* | 2 | 5-Spot | 20 | 50 | 50 | Gravel Bed | Fresh & Brine | — | — |
| 191 | 8 | 7 | 5-Spot | 20 | 170 | 170 | Gravel Bed | Fresh | 8.4 | 243 |
| 192 | 2 | 3 | Modified | 29 | 87 | 68 | Shallow Sand | Fresh | 11.6 | 625 |
| 193 | 1 | 2 | Spot | 10 | 30 | 30 | Shallow Sand & Produced | Fresh & Brine | 7.7 | — |
| 194 | 1 | 4 | Spot | 10 | 50 | 50 | — | Fresh | 12.4 | — |
| 195 | 3 | 4 | 5-Spot | 20 | 70 | 70 | Penn. Sand @ 800′ | Brine | 8.7 | 283 |
| 196 | 6 | 15 | — | — | 234 | — | Shallow Sand | Fresh | 12.4 | 499 |
| 197 | 20 | 27 | 5-Spot | 20 | 325 | 570 | Gravel Bed | Fresh | 9.5 | 250 |
| 198 | 4 | 7 | Peripheral | — | 100 | 100 | River & Produced | Fresh & Brine | 7.5 | 337 |
| 199 | 2 | 8 | Flank | — | 30 | 73 | Shallow Sand & Produced | Fresh & Brine | 14.0 | 973 |
| 200 | 1 | 4 | — | 20 | 20 | 80 | Gravel Bed | Fresh | 3.2 | 1,346 |

(Continued)

| Reservoir Statistics (Average Values) | | | | | | Remarks | Map No. |
|---|---|---|---|---|---|---|---|
| Depth feet | Net pay thickness feet | Porosity per cent | Permeability millidarcys | Oil gravity API | Oil viscosity centipoises | | |
| 910 | 20 | 19.9 | 278 | 34 | — | *Corrected figure. Subjected to gas injection since 1941. | 166 |
| 875 | 34 | 19.8 | 178 | 32.7 | — | *Corrected figure. Subjected to gas injection 1932-50. | 167 |
| 935 | 14 | 21 | 175 | 35 | 7 @ 60°F. | *Corrected figure. Subjected to gas injection 1934-48. | 168 |
| 950 | 13 | 19.6 | 184 | 35.3 | — | *Corrected figure. Subjected to gas injection 1935-53. | 169 |
| 910 | 20 | 20.0 | 250 | 34 | — | *Corrected figure. | 170 |
| 979 | 14 | 19 | 144 | 32 | — | | 171 |
| 987 | 19 | — | — | — | — | *Corrected figure. | 172 |
| 980 | 15 | 18.2 | 221 | 33.5 | — | *Corrected figure. Subjected to gas injection since 1934. | 173 |
| 860 | 21 | 19.8 | 108 | 33 | — | *Corrected figure. | 174 |
| — | — | — | — | — | — | *Included in Ohio Oil Co. figures. Previously subjected to gas injection. | 175 |
| 880 | 25 | 19 | 83 | 32 | — | *As of 1-1-55. †Due to Ohio line input wells. Previously subjected to gas injection. | 176 |
| 1,010 | 30 | 21.1 | 334 | — | — | | 177 |
| 960 | 31 | 19.1 | 135 | 31.6 | 17 @ 80°F. | *Sold to D. W. Franchot. †As of 1-1-55. | 178 |
| 3,100 | 5 | — | — | 38 | — | *Corrected figure. †Includes primary production since start of flood. | 179 |
| 3,275 | 5 | — | — | 36 | — | *Dump flood. | 180 |
| 3,080 | 6 | — | — | — | — | *Dump flood. | 181 |
| A.-2,900 | A.-11.8 | A.-22.1 | A.-269 | A.-38 | A.-3.2 @ 99° F. | *Corrected figure. †Three dual injection wells. | 182 |
| M.-3,000 | M.-7 | M.-15.4 | M.-230 | M.-38 | M.-2.8 @ 104°F. | | |
| 1,334 | — | — | — | — | — | *Project abandoned Feb., 1955. | 183 |
| 464 | — | — | — | — | — | *Project abandoned Feb., 1955. | 184 |
| {1,750<br>{1,950 | 13 | 16 | 84 | 39 | 1.7 @ 85°F. | *Corrected figure. | 185 |
| 1,952 | 10 | 15 | 990 | 37 | — | *Operated by Phillips prior to 1-1-55. †As of 1-1-55. | 186 |
| 2,275 | — | — | — | — | — | *Cooperative flood with Skelly. †Includes primary production since start of flood. | 187 |
| 2,010 | — | — | — | — | — | *Includes primary production since start of flood. | 188 |
| 2,270 | — | — | — | 37.3 | 4.6 @ 89°F. | *Corrected figure includes primary production since start of flood. | 189 |
| 2,275 | — | — | — | — | — | *Project abandoned. | 190 |
| 3,245 | 11 | 21 | — | — | — | *Includes primary production since 1-1-53. | 191 |
| 1,500 | 6.7 | 15.3 | 310 | 36.6 | 3.9 @ 104°F. | *Does not include 1954 data. †Includes primary production since start of flood. | 192 |
| 1,375 | 16 | — | — | 40.2 | 4.7 @ 70°F. | | 193 |
| 2,050 | 12 | — | — | — | — | | 194 |
| 2,000 | 14 | — | — | 35.4 | — | | 195 |
| 2,140 | 13 | — | — | 33 | — | *Since 1-1-55. | 196 |
| 2,075 | 13.6 | 19 | 182 | 38.8 | — | *Corrected figure. 1954 production 121 bbls. below normal. | 197 |
| 2,230 | 19 | 18.2 | 147 | — | — | *Includes primary production since start of flood. | 198 |
| 2,040 | 11.6 | 18.9 | 221 | 36 | 4.0 — | | 199 |
| 2,850 | 40 | — | — | 33.1 | 3.7 @ 98°F. | *Cooperative pilot flood with Sun. | 200 |

TABLE 14.—

| Map No. | Field | Operator | Project | General Formation Sand(S), Lime(L) | County |
|---|---|---|---|---|---|
| 201 | New Harmony Consol. | Calstar | Ford "B"* | Bethel(S) | White |
| 202 | New Harmony Consol. | T. W. George | East Maud | Bethel(S) | Wabash |
| 203 | New Harmony Consol. | T. W. George | East Maud | Cypress(S) | Wabash |
| 204 | New Harmony Consol. | Herndon & Ashland | Calvin | Aux Vases(S) | White |
| 205 | New Harmony Consol. | Inland | Bowman's Bend Unit | Tar Springs(S) | White |
| 206 | New Harmony Consol. | Luboil | Helm | Waltersburg(S) | Wabash |
| 207 | New Harmony Consol. | Luboil | Helm | Bethel(S) | Wabash |
| 208 | New Harmony Consol. | Luboil | Helm | Aux Vases(S) | Wabash |
| 209 | New Harmony Consol. | Phillips | Schultz | Upper Cypress(S) | Wabash |
| 210 | New Harmony Consol. | Phillips | Schultz | Lower Cypress(S) | Wabash |
| 211 | New Harmony Consol. | Skiles | East Maud | Bethel(S) | Wabash |
| 212 | New Harmony Consol. | Skiles | East Maud | Cypress(S) | Wabash |
| 213 | New Harmony Consol. | Skiles | Siegert Bottoms | Bethel(S) | Wabash-Edwards |
| 214 | New Harmony Consol. | Skiles | Smith-Davenport | Cypress(S) | White |
| 215 | New Harmony Consol. | Skiles | West Maud | Bethel(S) | Wabash |
| 216 | New Harmony Consol. | Sun | Ford "B"* | Aux Vases(S) | White |
| 217 | New Harmony Consol. | Sun | Ford "B"* | Bethel(S) | White |
| 218 | New Harmony Consol. | Sun | Greathouse | Bethel(S) | White |
| 219 | New Harmony Consol. | Sun | Greathouse | Cypress(S) | White |
| 220 | New Harmony Consol. | Sun | Greathouse | McClosky(L) | White |
| 221 | New Harmony Consol. | Superior | Kern-Hon Unit | Upper Tar Springs(S) | White |
| 222 | New Harmony Consol. | Superior | Waltersburg Sand Unit | Waltersburg(S) | White-Ill. Posey-Ind. |
| 223 | New Harmony Consol. | Tide Water | E. S. Dennis "A" | Bethel(S) | White |
| 224 | New Harmony Consol. | Tide Water | O. R. Evans | Aux Vases(S) | White |
| 225 | New Haven Consol. | Hiawatha | New Haven Unit | Cypress(S) | White |
| 226 | New Haven Consol. | Hiawatha | New Haven Unit | Tar Springs(S) | White |
| 227 | Odin | Ashland | Odin | Cypress(S) | Marion |
| 228 | Olney | Texas | East Olney Unit | McClosky(L) | Richland |
| 229 | Oskaloosa | Texas | Oskaloosa Unit | Benoist(S) | Clay |
| 230 | Parkersburg Consol. | Calvert | Parkersburg | McClosky(L) | Richland |
| 231 | Parkersburg Consol. | Ohio | Parkersburg Unit* | McClosky(L) | Richland |
| 232 | Patoka | Sohio | Patoka-Benoist | Benoist(S) | Marion |
| 233 | Patoka | Sohio | Patoka-Rosiclare | Rosiclare(S) | Marion |
| 234 | Patoka | Sohio | Stein Unit | Cypress(S) | Marion |
| 235 | Phillipstown Consol. | C. E. Brehm | Phillipstown Unit "A" | Pennsylvanian | White |
| 236 | Phillipstown Consol. | C. E. Brehm | Phillipstown Unit "B" | Cypress(S) | White |
| 237 | Phillipstown Consol. | British American | North Calvin | Penn #7(S) | White |
| 238 | Phillipstown Consol. | Magnolia | Schmidt-Seifried | Biehl(S) | White |
| 239 | Phillipstown Consol. | Phillips | Flora | Degonia(S) | White |
| 240 | Phillipstown Consol. | Phillips | Laura | Bethel(S) | White |
| 241 | Phillipstown Consol. | Skiles | L. O. Cleveland | Tar Springs(S) | White |
| 242 | Phillipstown Consol. | Sun | Phillipstown | Clore(S) | White |
| 243 | Phillipstown Consol. | Yingling | Grayville Unit | Cypress(S) | White |
| 244 | Roland Consol. | Carter | S. W. Roland Unit | Waltersburg(S) | White |
| 245 | Roland Consol. | Carter | Stokes Unit | Hardinsburg(S) | White |

(Continued)

| Information | | | | Production and Injection Statistics (Barrels) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Location | | | Date first injection | Secondary recovery | | | | | | Map No. |
| | | | | Water injection | | Oil production | | Water production | | |
| Section | Twp. | Rng. | | Total 1955 | Cumulative 12-31-55 | Total 1955 | Cumulative 12-31-55 | Total 1955 | Cumulative 12-31-55 | |
| 21 | 4S | 14W | Mar., 1953 | 90,884 | 273,014 | 31,645 | 52,853 | 54,840 | 67,939 | 201 |
| 32, 33 | 1S | 13W | July, 1952 | 12,298 | 83,045 | 14,984 | 42,668* | — | — | 202 |
| 32, 33 | 1S | 13W | Jan., 1955 | 5,845 | 5,845 | 14,984 | 42,664* | — | — | 203 |
| 8 | 4S | 14W | Nov., 1952 | 691,120 | 1,187,474 | 67,784 | 89,133* | — | — | 204 |
| 15, 16, 21, 22 | 5S | 14W | Dec., 1953 | 747,465 | 1,240,057 | 202,405 | 333,498* | 182,241 | 260,080 | 205 |
| 22 | 3S | 14W | Dec., 1950 | — | — | — | — | — | — | 206 |
| 22 | 3S | 14W | Dec., 1951 | — | — | — | — | — | — | 207 |
| 22 | 3S | 14W | Dec., 1951 | — | — | — | — | — | — | 208 |
| 7 | 3S | 13W | May, 1952 | 138,418 | 618,792 | 2,707 | 39,643 | 61,603 | 241,888 | 209 |
| 7 | 3S | 13W | July, 1951 | 490,219 | 1,780,341 | 19,715 | 95,597 | 398,827 | 1,170,217 | 210 |
| 4, 5 | 2S | 13W | April, 1952 | 187,427 | 566,521 | 43,936 | 156,436 | 18,250 | 60,700 | 211 |
| 32, 33 | 1S | 13W | | | | | | | | |
| 4, 5 | 2S | 13W | Nov., 1952 | 74,575 | 288,026 | 24,263 | 40,648 | 54,900 | 140,300* | 212 |
| 32, 33 | 1S | 13W | | | | | | | | |
| 34 | 2S | 14W | Oct., 1951 | 298,987 | 1,395,267 | 81,452 | 309,898* | 47,510 | 96,190 | 213 |
| 2, 3, 10 | 3S | 14W | | | | | | | | |
| 15 | 4S | 14W | May, 1955 | 90,757 | 90,757* | None | None | None | None | 214 |
| 5 | 2S | 13W | Oct., 1950 | 329,515 | 1,265,570 | 32,107 | 295,937 | 59,360 | 195,160 | 215 |
| 32 | 1S | 13W | | | | | | | | |
| 21 | 4S | 14W | Mar., 1953 | 25,531 | 110,996 | 2,752 | 2,752 | 184 | 184 | 216 |
| 21 | 4S | 14W | Mar., 1953 | 90,526 | 223,134 | 23,824 | 28,741 | 19,580 | 21,296 | 217 |
| 33 | 4S | 14W | Jan., 1949 | 314,011 | 2,223,126 | 38,460 | 177,293 | 131,200 | 1,645,085 | 218 |
| 4 | 5S | 14W | | | | | | | | |
| 33 | 4S | 14W | Jan., 1953 | 122,391 | 330,446 | — | — | 13,980 | 13,980 | 219 |
| 33 | 4S | 14W | Aug., 1947 | 115,993 | 989,362 | 13,564 | 124,938 | 30,340 | 198,123 | 220 |
| 4 | 5S | 14W | | | | | | | | |
| 32, 33 | 4S | 14W | Feb., 1954 | 184,528 | 346,154 | 107,813 | 182,474 | 39,687 | 49,027 | 221 |
| 4, 5, 9, 10 | 5S | 14W | Aug., 1946 | 3,687,040* | 13,285,094* | 1,093,554* | 2,259,128* | 613,162* | 1,607,348* | 222 |
| 28, 33 | 4S | 14W | July, 1951 | 1,583,557 | 6,082,829 | 63,662 | 386,286 | 379,051 | 910,421 | 223 |
| 4 & 5 | 4S | 14W | Oct., 1949 | 192,769 | 817,408 | 18,627 | 95,475 | 56,679 | 175,052 | 224 |
| 17 | 7S | 11E | July, 1954 | 175,246 | 276,589 | 66,943 | 71,845* | 2,931 | 3,531 | 225 |
| 17 | 7S | 11E | July, 1954 | 12,894 | 16,810 | 2,790 | 7,875* | 954 | 1,254 | 226 |
| 1, 12, 13 | 2N | 1E | Oct., 1949 | 527,221 | 2,607,245 | 76,858 | 1,092,891 | — | — | 227 |
| 6, 7, 18 | 2N | 2E | | | | | | | | |
| 23, 24, 25, 26 | 4N | 10E | Mar., 1951 | 308,573 | 906,953 | 31,420 | 58,217* | 53,453 | 116,022* | 228 |
| 26, 27, 34, 35 | 4N | 5E | Jan., 1953 | 786,240 | 2,180,701* | 194,308 | 464,468 | 215,778 | 353,728* | 229 |
| 16, 21 | 2N | 14W | Jan., 1955 | 107,440 | 107,440 | 26,458 | 26,458* | 43,025 | 43,025 | 230 |
| 29 | 2N | 14W | Mar., 1955 | 704,090 | 704,090 | 5,723 | 5,723 | 6,241 | 6,242 | 231 |
| 20, 21, 28, 29 | 4N | 1E | Sept., 1943 | 3,788,652 | 39,169,107 | 78,439 | 6,150,897 | 2,402,572 | 28,245,479 | 232 |
| 21, 28, 29 | 4N | 1E | ——, 1948 | 675,186 | 4,320,138 | 64,675 | 1,254,569* | 221,407 | 1,259,973 | 233 |
| 28 | 4N | 1E | Aug., 1951 | 118,267 | 398,601 | 9,603 | 45,728* | 67,296 | 234,012 | 234 |
| 19, 30 | 4S | 14W | June, 1952 | 64,046 | 235,355 | 11,254 | 51,090* | — | — | 235 |
| 19 | 4S | 14W | Jan., 1954 | 52,101 | 80,048 | 12,289 | 25,085 | — | — | 236 |
| 31 | 3S | 14W | June, 1951 | 305,958 | 1,586,644* | 108,623 | 917,774 | 226,773 | 566,284 | 237 |
| 30, 31 | 3S | 11E | May, 1951 | 138,010 | 830,521 | 30,217 | 365,798* | 64,522 | 244,988 | 238 |
| 24 | 4S | 10E | Sept., 1953 | 121,121 | 268,771 | 16,693 | 47,332 | 47,608 | 121,345 | 239 |
| 19 | 4S | 11E | Mar., 1952 | * | 30,550* | * | None* | * | None* | 240 |
| 36 | 4S | 10E | Nov., 1955 | 6,527 | 6,527 | None | None | None | None | 241 |
| 6 | 5S | 11E | Dec., 1955 | 4,189 | 4,189 | None | None | None | None | 242 |
| 20 | 3S | 14W | Aug., 1954 | 113,049 | 166,236 | 17,371 | 17,581 | 500 | 500 | 243 |
| 14, 15, 16 | 7S | 8E | June, 1955 | 703,349 | 703,349 | None | None | 42,616 | 42,616 | 244 |
| 5 | 6S | 9E | July, 1954 | 466,651 | 674,750 | 37,334 | 34,584* | 5,530 | 5,711 | 245 |

TABLE 14.—

| Map No. | Development as of 12-31-55 | | | | | | Injection Water | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | No. of wells | | Injection pattern | Spacing acres per input well | Productive acreage | | Source | Type | Avg. bbls. per day per well per ft. | Avg. well-head press-ure PSI |
| | Inj. | Prod. | | | Sub-jected to inj. | Total | | | | |
| 201 | 1 | 3 | — | 20 | 20 | 35 | Gravel Bed | Fresh | 20.7 | 798 |
| 202 | 2 | 7 | 5-Spot | 20 | 90 | 70 | Surface | Fresh | 1.1 | 1,500 |
| 203 | 1 | 3 | 5-Spot | 20 | 40 | 50 | Surface | Fresh | 1.3 | 1,500 |
| 204 | 14 | 18 | 5-Spot | 10 | 200 | 250 | — | Fresh | — | — |
| 205 | 4 | 18 | Peripheral | — | 200 | 200 | Gravel Bed & Produced | Mixture | 26.2 | 82 |
| 206 | 3 | 4 | Irregular | 3.3 | 10 | 15 | Shallow Sand | Fresh | — | — |
| 207 | 15 | 17 | 5-Spot | 12 | 180 | 300 | Shallow Sand | Fresh | — | — |
| 208 | 8 | 10 | Irregular 5-Spot | 12 | 50 | 150 | Shallow Sand | Fresh | — | — |
| 209 | 1 | 2 | — | — | 9 | 30 | Shallow Sand & Produced | Fresh & Brine | 37.9 | 758 |
| 210 | 2 | 5 | Irregular | — | 21 | 70 | Shallow Sand & Produced | Fresh & Brine | 33.6 | 766 |
| 211 | 8 | 20 | 5-Spot | 20 | 250 | 280 | Creek & Shallow Sand | Fresh | 7.6 | 1,442 |
| 212 | 2 | 12 | 5-Spot | 20 | 20 | 100 | Creek & Shallow Sand | Fresh | 12.8 | 1,442 |
| 213 | 19 | 24 | 5-Spot | 20 | 380 | 430 | Gravel Bed & Produced | Fresh & Brine | 2.4 | 1,483 |
| 214 | 1 | 2 | Irregular | — | 30 | 30 | Tar Springs | Brine | 37.0 | None |
| 215 | 20 | 23 | 5-Spot | 20 | 340 | 430 | Creek & Shallow Sand | Fresh | 3.8 | 1,319 |
| 216 | 1 | 4 | — | — | 20 | 80 | Gravel Bed | Fresh | 7.0 | 1,345 |
| 217 | 1 | 1 | — | — | 10 | 20 | Gravel Bed | Fresh | 20.7 | 550 |
| 218 | 6 | 18 | 5-Spot | 20 | 180 | — | Gravel Bed | Fresh | 6.2 | 1,280 |
| 219 | 1* | | — | — | 10 | — | Gravel Bed | Fresh | — | 1,150 |
| 220 | 1 | 2 | — | — | 100 | — | Gravel Bed | Fresh | 63.5 | 1,450 |
| 221 | 3 | 7 | Modified Split Line | — | 121 | 121 | Gravel Bed | Fresh | 12.7 | 1,150 |
| 222 | 7 | 24† | Split Line | — | 725 | 725 | Shallow Sand & Produced | Fresh & Brine | 33.6 | 1,100 |
| 223 | 18 | 18 | 5-Spot | 10 | 160 | 185 | Gravel Bed & Produced | Fresh & Brine* | 8.0 | 1,263 |
| 224 | 4 | 9 | 5-Spot | 20 | 140 | 160 | Shallow Sand | Fresh | 5.5 | 1,383 |
| 225 | 6 | 6 | — | — | — | — | Water Well | Fresh | 8.0 | — |
| 226 | 3 | 5 | — | — | — | — | Water Well | Fresh | — | — |
| 227 | 10 | 20 | Perimeter | — | 230 | 290 | Tar Springs | Brine | 9.6 | 571 |
| 228 | 3 | 19 | Flank | — | 460 | 515 | Weiler Sand & Produced | Brine | 53.2 | 925 |
| 229 | 8 | 25 | Perimeter | 10 | 407 | 407 | Penn. Sand | Brine | 19.0 | 1,377 |
| 230 | 2 | 7 | Random | 20 | 160 | 160 | McClosky | Brine | 14.7 | — |
| 231 | 4† | 3 | Line | — | 200 | — | — | Brine | — | — |
| 232 | 65 | 65 | 5-Spot | 10 | 527 | — | Tar Springs | Brine | 5.9 | 434 |
| 233 | 16 | 11 | Perimeter | — | 445 | 445 | Tar Springs | Brine | 12.5 | 590 |
| 234 | 5 | 5 | Peripheral | — | 61 | 61 | Tar Springs | Brine | 6.5 | 531 |
| 235 | 1 | 5 | Irregular | — | 90 | 90 | Penn. Sand | Brine | 7.6 | — |
| 236 | 2 | 6 | Irregular | — | 80 | 80 | Penn. Sand | Brine | 5.9 | 722 |
| 237 | 9 | 15 | 5-Spot | 10 | 130 | 130 | Produced | Brine | 3.2 | 795 |
| 238 | 5 | 9 | 5-Spot | 10 | 60 | 140 | Shallow Sand | Fresh | — | — |
| 239 | 2 | 5 | 5-Spot | 10 | 25 | 70 | Shallow Sand & Produced | Fresh & Brine | 11.1 | 1,119 |
| 240 | 1 | 3 | — | — | 16 | 40 | Produced | Brine | — | — |
| 241 | 1 | 2 | Irregular | — | 30 | 30 | Penn. Sand | Brine | 9.1 | — |
| 242 | 1 | 4 | — | — | 40 | 135 | Produced | Brine | 14.0 | 520 |
| 243 | 3 | 6 | Flank | 10 | 128 | 128 | Grayville City Water | Fresh | 10.8 | 1,029 |
| 244 | 7 | 24 | Flank | 40 | 587 | 591 | Penn. Sand | Brine | — | 62.1 |
| 245 | 7 | 7 | 5-Spot | 10 | 94 | 209 | Bridgeport | Brine | 15.7 | 359 |

(Continued)

| Reservoir Statistics (Average Values) | | | | | | Remarks | Map No. |
|---|---|---|---|---|---|---|---|
| Depth feet | Net pay thickness feet | Porosity per cent | Permeability millidarcys | Oil gravity API | Oil viscosity centipoises | | |
| 2,695 | 12 | — | — | 37.5 | 3.7 @ 96°F. | *Cooperative pilot flood with Sun. | 201 |
| 2,500 | 15 | 17 | 57 | 36.1 | 5.1 @ 94°F. | *Includes primary production since start of flood. | 202 |
| 2,400 | 12 | — | — | — | — | *Total production including 27,684 bbls. due to injection since 1952 on adjacent leases. | 203 |
| 2,800 | 30 | 14 | 10 | 41 | — | *Includes primary production since start of flood. Does not include 1954 production. | 204 |
| 2,260 | 19.5 | 17.9 | 120 | 35.5 | — | *Includes primary production since 1-1-54. | 205 |
| 2,115 | 25 | 20.1 | 171 | — | — | | 206 |
| 2,640 | 14 | 17.1 | 44 | — | — | | 207 |
| 2,750 | 12 | 16 | 20 | — | — | | 208 |
| 2,500 | 10 | — | — | — | — | | 209 |
| 2,500 | 20 | 18 | 50 | — | — | | 210 |
| 2,520 | 8.5 | 17 | 57 | 36.1 | 5.1 @ 94°F. | | 211 |
| 2,400 | 8 | 18.5 | 75 | 36.2 | 5.0 @ 90°F. | *Corrected figure. | 212 |
| 2,680 | 18 | 17 | 75 | 36.5 | 3.8 @ 81°F. | *Corrected figure. | 213 |
| 2,630 | 10 | 17.7 | 145 | — | — | *Dump flood. | 214 |
| 2,620 | 12 | 17.2 | 57 | 37 | 4.6 | | 215 |
| 2,855 | 10 | 13 | 30 | 32.5 | — | *Cooperative pilot flood with Calstar. | 216 |
| 2,696 | 12 | — | — | 32.5 | — | *Cooperative pilot flood with Calstar. | 217 |
| 2,750 | 23.2 | 18 | 20 | 36.9 | — | Previously subjected to gas injection. | 218 |
| 2,650 | 10 | — | — | 36.9 | — | *Pilot flood. | 219 |
| 2,900 | 5 | — | — | 36.9 | — | | 220 |
| 2,250 | 13.3 | 17.3 | 44 | 38 | 5.5 @ 85°F. | | 221 |
| 2,200 | 43 | 19.2 | 475 | 36.8 | 2.9 @ 86°F. | *Includes Indiana data. †All flowing. Previously subjected to gas injection. | 222 |
| 2,700 | 30 | 16 | 50 | 39 | 2.2 @ 92°F. | *Two separate injection systems. Previously subjected to gas injection. | 223 |
| 2,800 | 24 | 14.5 | 50 | 39 | — | Previously subjected to gas injection. | 224 |
| 2,445 | 10 | — | — | — | — | *Includes primary production since start of flood. | 225 |
| 2,110 | 11 | — | — | — | — | *Includes primary production since start of flood. | 226 |
| 1,700 | 15 | 20 | 78 | 38 | 8.3 @ 69°F. | | 227 |
| 3,100 | 5.3 | 13.8 | 522 | 36 | 2.6 @ 99°F. | *Corrected figure. | 228 |
| 2,600 | 14.2 | 15.6 | 54 | 37.8 | 6.4 @ 60°F. | *Corrected figures. | 229 |
| 3,062 | 10 | — | — | — | — | *Includes primary production since start of flood. | 230 |
| 3,150 | 5 | 20 | — | — | — | *Cooperative with Sinclair. †Dump flood. | 231 |
| 1,410 | 27 | 19 | 110 | 39 | — | | 232 |
| 1,550 | 9 | 18.8 | 223 | 40 | 4.1 | *Includes primary production since start of flood. | 233 |
| 1,280 | 10 | 21 | 32 | 39 | 5.5 @ 60°F. | *Includes primary production since start of flood. | 234 |
| 1,912 | 23 | 13 | 36 | 38 | 4.5 @ 84°F. | *Includes primary production since start of flood. | 235 |
| 2,750 | 12 | — | — | — | — | | 236 |
| 1,550 | 29 | 17.6 | 86 | 32 | 20 @ Res. Temp. | *Includes estimated 300,000 bbls. in pilot flood from 4-49 to 5-51. | 237 |
| 1,830 | — | — | — | 32.2 | 11.2 @ 78°F. | *Includes primary production since start of flood. Pilot flood (1-input) from 9-47 to 5-51. | 238 |
| 2,000 | 15 | — | — | — | — | | 239 |
| 2,800 | 10 | 15 | 46 | — | — | *Temporarily shut down 8-16-54. | 240 |
| 2,300 | 12 | — | — | — | — | | 241 |
| 2,000 | 10 | — | — | — | — | | 242 |
| 2,800 | 9.6 | 18.6 | 64 | 34.5 | 5.2 @ 95°F. | | 243 |
| 2,175 | 13 | 19.5 | 292 | 30 | 9.2 @ 83°F. | | 244 |
| 2,530 | 11.6 | 18.8 | 259 | 38.5 | — | *1954 production 2750 bbls. below normal. | 245 |

TABLE 14.—

| Map No. | Field | Operator | Project | Formation Sand(S), Lime(L) | General County |
|---|---|---|---|---|---|
| 246 | Roland Consol. | Indiana Farm Bureau | Omaha | Waltersburg(S) | Gallatin |
| 247 | Roland Consol. | Shell | Iron Unit | Hardinsburg(S) | White |
| 248 | St. James | Rosenthal | Washburn | Cypress(S) | Fayette |
| 249 | Ste. Marie | J. R. Randolph | Ste. Marie | McClosky(L) | Jasper |
| 250 | Sailor Springs Consol. | Ashland | Bible Grove (Stortzum) | Rosiclare(L) | Effingham |
| 251 | Sailor Springs Consol. | Ashland | Bible Grove (Weibking) | McClosky(L) | Effingham |
| 252 | Sailor Springs Consol. | Ashland | Bible Grove (Wood) | McClosky(L) | Effingham |
| 253 | Sailor Springs Consol. | Cities Service | Wyatt | Aux Vases(S) | Clay |
| 254 | Sailor Springs Consol. | Kingwood Oil | Nadler | Rosiclare & McClosky(L) | Effingham |
| 255 | Sailor Springs Consol. | W. C. McBride | Duff-Cypress | Cypress(S) | Clay |
| 256 | Salem Consol. | Texas | Rosiclare Sand Unit | Rosiclare(S) | Marion |
| 257 | Salem Consol. | Texas | Salem Unit | Benoist(S) | Marion |
| 258 | Salem Consol. | Texas | Salem Unit | Devonian(L) | Marion |
| 259 | Salem Consol. | Texas | Salem Unit | McClosky(L) | Marion |
| 260 | Salem Consol. | Texas | Salem Unit | Renault & Aux Vases(S) | Marion |
| 261 | Samsville North | Ashland | West Salem | Bethel(S) | Edwards |
| 262 | Seminary | Pure | Seminary Pool Flood | McClosky(L) | Richland |
| 263 | Siggins | Bell Brothers | Flood #1 | Upper Siggins(S) | Cumberland |
| 264 | Siggins | L. Fikes | Vevay Park | Siggins(S) | Cumberland |
| 265 | Siggins | Forest | Siggins | 1st Siggins(S) | Cumberland |
| 266 | Siggins | Pure | Union Group | 1st & 2nd Siggins(S) | Clark & Cumberland |
| 267 | Siggins | Ree* | Siggins | Casey(S) | Clark & Cumberland |
| 268 | Stanford South | Gulf | South Stanford Unit | Aux Vases(S) | Clay |
| 269 | Storms Consol. | Mabee | — | Waltersburg(S) | White |
| 270 | Stringtown | N. C. Davies | Stringtown | McClosky(L) | Richland |
| 271 | Stringtown | Helmerich & Payne | Stringtown | McClosky(L) | Richland |
| 272 | Stringtown | Noknil | — | McClosky(L) | Richland |
| 273 | Stringtown | Skelly | Stringtown | McClosky(L) | Richland |
| 274 | Thompsonville East | Carter | E. Thompsonville | Aux Vases(S) | Franklin |
| 275 | Thompsonville North | Carter | N. Thompsonville | Aux Vases(S) | Franklin |
| 276 | Thompsonville North | J. & W. Production | Thompsonville Unit | Aux Vases(S) | Franklin |
| 277 | Tonti South | Slagter | — | Benoist(S) | Marion |
| 278 | Wamac | D. Stinson | Wamac | Petro(S) | Marion |
| 279 | Westfield | Forest | Parker | Gas Sand | Clark |
| 280 | Westfield | Ree* | Hawkins | Gas Sand | Clark |
| 281 | Westfield | Ree* | Johnson | Gas Sand | Coles, Clark |
| 282 | Willow Hill East | M. M. Spickler | — | McClosky(L) | Jasper |
| 283 | Woburn Consol. | Arrow Drilling | Spindler | Benoist(S) | Bond |
| 284 | York | Trans-Southern | York | Casey(S) | Cumberland |

(Concluded)

| Information | | | | Production and Injection Statistics (Barrels) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Secondary recovery | | | | | | |
| Location | | | Date first injection | Water injection | | Oil production | | Water production | | Map No. |
| Section | Twp. | Rng. | | Total 1955 | Cumulative 12-31-55 | Total 1955 | Cumulative 12-31-55 | Total 1955 | Cumulative 12-31-55 | |
| 20, 21, 28, 29 | 7S | 8E | Mar., 1953 | 1,005,076 | 2,514,494 | 187,343 | 306,668* | 288,000 | — | 246 |
| 23, 24, 25 | 6S | 8E | Dec., 1950 | 1,139,788 | 5,637,941 | 287,792 | 1,100,495 | 592,457 | 1,243,365* | 247 |
| 30 | 6N | 3E | Mar., 1954 | 66,000 | 136,000 | 28,800 | 55,400 | 66,000 | 136,000 | 248 |
| 5, 6, 7, 8 | 5N | 14W | Oct., 1948 | 150,000 | 1,511,500* | 21,067 | 125,975 | — | — | 249 |
| 28 | 6N | 7E | June, 1955 | 53,260 | 53,260 | 1,156* | 1,156* | — | — | 250 |
| 29 | 6N | 7E | July, 1954 | 63,830 | 112,780* | 7,492 | 11,540† | — | — | 251 |
| 28 | 6N | 7E | June, 1955 | 26,920 | 26,920 | 49 | 49 | — | — | 252 |
| 13 | 5N | 7E | Sept., 1953 | 76,508 | 168,780 | 11,475 | 19,749 | 59,662 | 92,457 | 253 |
| 28 | 6N | 7E | June, 1955 | 92,750 | 92,750 | 5,096 | 5,096* | 3,780 | 3,780 | 254 |
| 35 | 4N | 7E | July, 1953 | 41,347 | 105,526 | 12,379 | 29,262 | 12,426* | — | 255 |
| 15 | 1N | 2E | April, 1950 | 197,637 | 1,035,084 | 6,444 | 61,885 | 33,173 | 120,383 | 256 |
| — | 1&2N | 2E | Oct., 1950 | 30,591,705 | 75,177,064* | 4,605,458 | 6,905,791* | 8,061,559 | 12,404,921† | 257 |
| — | 1&2N | 2E | Oct., 1950 | 6,310,073 | 32,153,900 | 84,824 | 323,284 | 1,228,169 | 9,844,030* | 258 |
| — | 1&2N | 2E | April, 1951 | 11,849,722 | 32,248,805* | 700,601 | 1,432,565* | 3,972,205 | 8,346,402† | 259 |
| — | 1&2N | 2E | Oct., 1950 | 2,366,315 | 6,660,016 | 125,347 | 283,375 | 2,015,386 | 3,451,361* | 260 |
| 30 | 1N | 14W | Sept., 1954 | 66,478 | 83,215 | 2,695 | 3,485* | — | — | 261 |
| 17, 20 | 2N | 10E | Feb., 1954 | 267,990 | 584,607* | 6,342 | 14,355 | 104,155 | 155,631 | 262 |
| 13 | 10N | 10E | Sept., 1950 | 39,399* | 279,969* | 24,121 | 82,477 | 25,000 | 85,000 | 263 |
| 25 | 10N | 14W | Dec., 1950 | 15,106 | 240,932 | 275 | 1,558 | 33,244 | 79,080 | 264 |
| 11, 12, 13, 14 | 10N | 10E | June, 1942 | 3,901,332 | 38,605,137 | 740,691 | 6,505,606 | — | — | 265 |
| 7 | 10N | 11E | | | | | | | | |
| 18 | 10N | 14W | Dec., 1946 | 1,217,307 | 11,833,116 | 126,007 | 2,081,275 | 1,168,604 | 8,355,955 | 266 |
| 18 | 10N | 11E | | | | | | | | |
| 7 | 10N | 14W | Dec., 1951 | 357,885 | 1,204,170 | 42,643 | 48,901 | 67,194 | 109,608 | 267 |
| 7 | 10N | 11E | | | | | | | | |
| 8, 9, 16, 17 | 2N | 7E | May, 1954 | 673,432 | 1,091,110* | 197,155 | 275,481* | 113,504 | 113,614 | 268 |
| 22 | 6S | 9E | July, 1951 | None* | 90,110† | None* | None* | None* | None* | 269 |
| 31 | 5N | 14W | Dec., 1953 | 32,351 | 85,151 | 1,789 | 3,949* | 32,351 | 82,751 | 270 |
| 31 | 5N | 14W | Oct., 1954 | 48,074 | 53,538 | 1,750 | 1,750 | 4,100 | 4,100 | 271 |
| 31 | 5N | 14W | Dec., 1953 | — | — | — | — | — | — | 272 |
| 31 | 5N | 14W | Dec., 1953 | 48,427 | 58,153 | 5,798 | 22,104* | 39,135 | 108,319* | 273 |
| 12 | 7S | 4E | July, 1954 | 116,349 | 181,469 | 13,265 | 11,413* | 14,200 | 18,245 | 274 |
| 3, 9, 10 | 7S | 4E | Oct., 1955 | 91,324 | 91,324 | None | None | 2,314 | 2,314 | 275 |
| 10, 15 | 7S | 4E | Mar., 1954 | 196,893 | 339,831 | 18,291 | 19,212 | 14,643 | 16,184 | 276 |
| 4 | 2N | 2E | Dec., 1953 | 72,000* | 72,000* | 25,756 | 35,655 | 90,000* | 90,000* | 277 |
| 30 | 1N | 1E | May, 1954 | 12,531 | 31,731 | 2,828 | 2,828* | None | None | 278 |
| 30 | 11N | 14W | June, 1950 | 55,840 | 620,292 | 4,512 | 29,756 | — | — | 279 |
| 20, 21 | 11N | 14W | Aug., 1951 | None† | 265,199 | None† | 1,982‡ | None† | 44,000 | 280 |
| 7, 18 | 11N | 11E | June, 1951 | 122,267 | 786,466 | 2,757 | 6,004 | 17,962 | 23,750 | 281 |
| 18 | 11N | 14W | | | | | | | | |
| 36 | 7N | 10E | June, 1952 | * | * | — | 2,121† | — | — | 282 |
| 10 | 6N | 2W | Sept., 1951 | 73,000* | 194,247* | 823† | 10,507† | 73,000* | 194,247 | 283 |
| 6 | 9N | 11E | Oct., 1950 | 46,813 | 501,295 | 1,494 | 11,309 | 39,830 | 131,107 | 284 |
| Totals of Reported Figures. | | | | 224,578,759 | 744,161,130 | 24,584,720 | 80,821,429 | | | |

TABLE 14.—

| Map No. | Development as of 12-31-55 | | | | | | Injection Water | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | No. of wells | | Injection pattern | Spacing acres per input well | Productive acreage | | Source | Type | Avg. bbls. per day per well per ft. | Avg. well-head pressure PSI |
| | Inj. | Prod. | | | Subjected to inj. | Total | | | | |
| 246 | 9 | 22 | Flank | 10 | 336 | 336 | Produced | Brine | 21.8 | — |
| 247 | 20 | 24 | 5-Spot | 20 | 390 | 430 | Tar Springs | Brine | 6.2 | 466 |
| 248 | 3 | 9 | — | — | 95 | 95 | Produced | Brine | 3.0 | 200 |
| 249 | 1 | 14 | Spot | — | 400 | 500 | Cypress | Brine | 58.7 | 0 |
| 250 | 1† | 2 | Irregular | — | 60 | 60 | Cypress | Brine | 61.9 | — |
| 251 | 1‡ | 3 | — | — | 30 | 55 | Cypress | Brine | 35.0 | — |
| 252 | 1* | 1 | Irregular | — | 20 | 20 | Tar Springs | Brine | 25.0 | — |
| 253 | 1 | 3 | — | — | 9.4 | 30 | Penn. Sand | Brine | 22.8 | 510 |
| 254 | 2 | 3 | Perimeter | 20 | 120 | 120 | Cypress | Brine | 27.1 | — |
| 255 | 1* | 4 | 5-Spot | 20 | 50 | 160 | Tar Springs & Cypress | Brine | 9.4 | 844 |
| 256 | 3 | 5 | Flank | — | 100 | 100 | Penn. Sand | Brine | 12.9 | 692 |
| 257 | 163 | 650 | Peripheral & 25% 5-Spot | 20 | 7,975 | 7,975 | Gravel Bed & Produced | Fresh & Brine | 18.4 | 147 |
| 258 | 27 | 40 | Peripheral | — | 5,414 | 5,414 | Gravel Bed & Produced | Brine | 33.7 | — |
| 259 | 121 | 412 | — | — | 7,712 | 7,712 | Gravel Bed & Produced | Fresh & Brine | 13.4 | 236 |
| 260 | 27 | 284 | Peripheral | — | 4,881 | 4,881 | Gravel Bed & Produced | Fresh & Brine | 7.3 | 154 |
| 261 | 1 | 1 | — | — | 20 | 35 | Produced | Brine | 36.4 | 400 |
| 262 | 2 | 4 | — | — | 173 | 173 | Cypress | Brine | 45.9 | — |
| 263 | 9 | 7 | 5-Spot | 4.4 | 80 | 80 | Surface & Produced | Fresh & Brine | 0.7 | 210 |
| 264 | 2 | 4 | 5-Spot | 4.4 | 10 | — | Surface & Produced | Fresh & Brine | 1.3 | — |
| 265 | 493 | 407 | 5-Spot | 4.4 | 1,800 | — | Gravel Bed & Produced | Fresh & Brine | 0.7 | 240 |
| 266 | 127 | 121 | 5-Spot | 4.4 | 468 | 575 | Surface & Produced | Fresh & Brine | 0.8 | 245 |
| 267 | 27 | 20 | 5-Spot | 4.4 | 135 | 227 | Produced & Lake | Fresh & Brine | 0.6 | 190 |
| 268 | 8 | 7 | Modified 5-Spot | 20 | 105 | 130 | Penn. Sand | Brine | 19.5 | 1,198 |
| 269 | 1 | 2 | — | — | 40 | 40 | Penn. Sand | Brine | — | — |
| 270 | 2 | 3 | — | — | 80 | 80 | Tar Springs | Brine | 4.4 | — |
| 271 | 1 | 2 | — | 10 | 91.5 | 50 | Cypress | Brine | 18.8 | 8 |
| 272 | 1 | 2 | — | — | — | — | — | — | — | — |
| 273 | 1 | 2 | — | 10 | 80 | 80 | McClosky & Tar Springs | Brine | 11.1 | 0 |
| 274 | 3 | 3 | 5-Spot | 10 | 30 | 117 | Cypress | Brine | 5.9 | 80.4 |
| 275 | 4 | 6 | 5-Spot | — | 76 | 155 | Cypress | Brine | — | — |
| 276 | 4 | 8 | Modified Peripheral | 10 | 175 | 190 | Lake & Produced | Fresh & Brine | 8.4 | 1,158 |
| 277 | 1 | 3 | — | 10 | 25 | — | — | Brine | 21.7 | — |
| 278 | 4 | 24 | 5-Spot | 10 | 10 | 200 | City Water | Fresh | 0.4 | 40 |
| 279 | 9 | 12 | 5-Spot | 2.5 | 20 | — | Gravel Bed | Fresh | 0.7 | 125 |
| 280 | 15 | 8 | 5-Spot | 4.4 | 40 | 360 | Devonian & Produced | Fresh & Brine | — | — |
| 281 | 26 | 13 | 5-Spot | 4.4 | 70 | 467 | Lake & Produced | Fresh & Brine | 0.4 | 171 |
| 282 | 1* | 1 | — | — | 20 | 20 | Produced | Brine | — | — |
| 283 | 1 | 4 | — | — | 20 | 20 | Produced | Brine | 14.3 | 210 |
| 284 | 3 | 7 | Line Drive | 4.4 | 15 | 125 | Shallow Sand & Produced | Fresh & Brine | 4.3 | 77 |
| | | | | | 72,832† | | | | | |

(Concluded)

| Reservoir Statistics (Average Values) | | | | | | Remarks | Map No. |
|---|---|---|---|---|---|---|---|
| Depth feet | Net pay thickness feet | Porosity per cent | Permeability millidarcys | Oil gravity API | Oil viscosity centipoises | | |
| 1,695 | 14 | 19 | 200–250 | 29.2 | 8 @ 32°F. | *Includes primary production since start of flood. Previously subjected to gas injection. | 246 |
| 2,500 | 25 | 17.6 | 152 | 38.5 | — | *Corrected figure. | 247 |
| 1,595 | 20 | — | — | 34 | — | | 248 |
| 2,860 | 7 | — | — | — | — | *Dump flood (estimated). | 249 |
| 2,870 | 4 | — | — | 37 | — | *Includes primary production since start of flood. †Controlled dump flood. | 250 |
| 2,850 | 5 | — | — | 37 | — | *Corrected figure. †Includes primary production since start of flood. ‡Controlled dump flood. | 251 |
| 2,850 | 5 | — | — | 37 | — | *Controlled dump flood. | 252 |
| 2,771 | 9.2 | 21.9 | 164 | 34.2 | — | | 253 |
| 2,863 | 9 | — | — | 37 | — | *Includes primary production since start of flood. | 254 |
| 2,600 | 12 | 19 | 60 | 38 | — | *Pilot flood. | 255 |
| 2,093 | 14 | 11.5 | 43 | 36.5 | — | | 256 |
| 1,770 | 28 | 17.9 | 150 | 37 | 3.9 @ 93°F. | *Corrected figures. †Since 1-1-52. | 257 |
| 3,400 | 19 | 16.8 | 300 | 36.5 | — | *Since 1-1-52. | 258 |
| 1,950 | 20 | 15.8 | 700 | 37 | — | *Corrected figures. †Since 1-1-52. | 259 |
| 1,825 | R.-7′<br>A.-26′ | R.-16.5<br>A.-16.3 | R.-18<br>A.-28 | 37 | R.-4.8<br>A.-4.4 @ 93° F. | *Since 1-1-52. | 260 |
| 2,930 | 5 | — | — | — | — | *Includes primary since start of flood. | 261 |
| 3,000 | 8 | — | — | 36 | — | *Corrected figure. | 262 |
| 320 | 16 | 18.9 | 73 | 34 | 12 @ 63°F. | *Does not include line injection by Forest. Previously subjected to gas injection. | 263 |
| 600 | 16 | 20.3 | 349 | 30.1 | — | | 264 |
| 400 | 32 | 17.5 | 56 | 36.6 | 8 @ 60°F. | Previously subjected to gas injection. | 265 |
| 1-404<br>2-464 | 1-25<br>2- 6 | 1-18.5<br>2-18.3 | 1-45<br>2-66 | 36 | 8.8 @ 68°F. | | 266 |
| 447 | 56 | 21.5 | 40.2 | 33.8 | 10.5 @ 68°F. | *Since 9-1-54. Previously subjected to gas injection. | 267 |
| 2,975 | 11.8 | 19.8 | 97 | 38.8 | 3.7— | *Corrected figures. | 268 |
| 2,241 | 15 | — | — | — | — | *Temporarily abandoned since 6-18-53. | 269 |
| 3,000 | 10 | 18 | — | — | — | *Includes primary production since 1-1-54. | 270 |
| 3,026 | 7 | — | — | 38 | — | | 271 |
| — | — | — | — | — | — | | 272 |
| 3,002 | 12 | — | — | 36 | — | *Corrected figure. | 273 |
| 3,200 | 18 | 21.1 | 98 | 38 | — | *1954 production 1852 bbls. below normal. | 274 |
| 3,075 | 25 | 22 | 170 | — | — | | 275 |
| 3,120 | 16 | 19.5 | 50 | 38.6 | 3.5 @ 90°F. | | 276 |
| 1,940 | 9 | — | — | — | — | *Since 1-1-55. | 277 |
| 750 | 20 | 21.3 | 220 | 35 | 18.7 @ 60°F. | *Since 1-1-55. | 278 |
| 270 | 25 | 17.9 | 153 | 28.1 | 54 @ 60°F. | Previously subjected to gas injection. | 279 |
| 290 | 30 | 22 | 120 | 30 | 28 @ 62°F. | *Since 9-1-54. †Project temporarily shut down during 1954. ‡Includes primary production since start of flood. | 280 |
| 320 | 35 | 21.5 | 86 | 29 | — | *Since 9-1-54. | 281 |
| 2,615 | 10+ | — | — | — | — | *Dump flood. †As of 1-1-55. | 282 |
| 1,006 | 14 | — | — | — | — | *Estimated. †Includes primary production since start of flood. | 283 |
| 590 | 10 | 21.9 | 231.2 | 30.3 | 10 @ 75°F. | | 284 |

†Includes only 8,800 acres for the Salem unit.

TABLE 15.—ILLINOIS WATERFLOOD PRO-

| Map No. | General | | | | |
|---|---|---|---|---|---|
| | Field | Operator | Project | Formation Sand(S), Lime(L) | County |
| 285 | Albion Consol. | Superior | South Albion | Bridgeport(S) | Edwards |
| 24 | Barnhill Consol. | Wayne Development | Walter | McClosky(L) | Wayne |
| 286 | Berryville Consol. | Phillips | Tarpley | McClosky(L) | Wabash |
| 287 | Berryville Consol. | Phillips | Townsend | McClosky(L) | Wabash |
| 288 | Casey | Calvan American | Shawver | Casey(S) | Clark |
| 161 | Main Consol. | Skiles | Correll-Gurley | Robinson #4(S) | Crawford |
| 289 | Main Consol. | Skiles | Walter Community | Robinson #1 & #3(S) | Crawford |
| 290 | Martinsville | J. B. Buchman | — | Carper(S) | Clark |
| 183 | Martinsville | Magnolia | Carper | Carper(S) | Clark |
| 184 | Martinsville | Magnolia | Casey | Casey(S) | Clark |
| 190 | Maunie South | Magnolia | Tar Springs, Unit #2 | Tar Springs(S) | White |
| 291 | New Harmony Consol. | Sun | Ford "A" | McClosky(L) | White |
| 292 | Phillipstown Consol. | Sun | Phillipstown | Tar Springs(S) | White |

TABLE 15.—

| Map No. | Maximum development during operation | | | | | | Injection water | |
|---|---|---|---|---|---|---|---|---|
| | Number of wells | | Injection | Spacing acres per input well | Productive acreage | | Source | Type |
| | Injection | Producers | | | Subjected to injection | Total | | |
| 285 | 3 | 14 | — | — | 203 | — | Produced | Brine |
| 24 | 1 | 2 | — | 10 | 40 | 40 | Cypress | Brine |
| 286 | 1 | 2 | — | — | 14 | 30 | Produced & Tar Springs | Brine |
| 287 | 1 | 2 | — | — | 27 | 30 | Produced & Tar Springs | Brine |
| 288 | 9 | 4 | 5-Spot | 4.4 | 13 | 215 | Shallow Sand | Fresh |
| 161 | 18 | 17 | 5-Spot | 10 | 180 | — | Creek & Penn. Sand | Fresh & Brine |
| 289 | 5 | 6 | 5-Spot | 10 | 40 | — | Upper Penn. Sand | Brine |
| 290 | 2 | 6 | 5-Spot | 20 | 40 | 40 | Shallow Sand | Fresh |
| 183 | 4 | 1 | 5-Spot | 10 | 10 | 50 | Gravel Bed | Fresh |
| 184 | 8 | 3 | 5-Spot | 10 | 23 | 110 | Gravel Bed | Fresh |
| 190 | 3 | 2 | 5-Spot | 20 | 50 | 50 | Gravel Bed | Fresh & Brine |
| 291 | 1 | 1 | Spot | — | 40 | 40 | Gravel Bed | Fresh |
| 292 | 1* | 9 | — | — | 10 | — | Produced | Brine |

JECTS REPORTED ABANDONED

| Information | | | | | Production and injection statistics | | | |
|---|---|---|---|---|---|---|---|---|
| Location | | | Date first injection | Date abandoned | Cumulative water injection | Cumulative secondary recovery oil production | Cumulative water production | Map No. |
| Section | Twp. | Rng. | | | | | | |
| 1, 11, 12 | 3S | 10E | Aug., 1946 | 1952 | 854,511* | 173,502* | 789,679* | 285 |
| 26 | 2S | 8E | Dec., 1950 | Jan., 1955 | 143,565 | — | 118,901 | 24 |
| 2 | 1N | 14W | Sept., 1952 | Feb., 1953 | 34,688 | None | 102,551 | 286 |
| 35 | 2N | 14W | Feb., 1952 | July, 1953 | 49,834 | None | 86,354 | 287 |
| 23, 24 | 10N | 14W | Aug., 1953 | July, 1954 | 48,586 | 1,814 | — | 288 |
| 10 | 7N | 12W | July, 1951 | Sept., 1955 | 1,207,325 | 29,756 | 226,810 | 161 |
| 1 | 6N | 13W | Dec., 1951 | Dec., 1952 | 25,821 | None | 29,000 | 289 |
| 36 | 7N | 13W | | | | | | |
| 31 | 10N | 13W | Oct., 1952 | 1954 | 282,697* | None* | 4,800* | 290 |
| 30 | 10N | 13W | Jan., 1951 | Feb., 1955 | 1,110,949 | 10,376 | 9,605 | 183 |
| 19 | 10N | 13W | Aug., 1950 | Feb., 1955 | 872,185 | 2,345 | 33,505 | 184 |
| 24 | 6S | 10E | Nov., 1949 | 1955 | 639,215 | 60,344 | 208,636 | 190 |
| 19 | 6S | 11E | | | | | | |
| 18 | 5S | 14W | May, 1948 | July, 1952 | 57,823 | 13,076 | 626 | 291 |
| 6 | 5S | 11E | Jan., 1953 | May, 1954 | 57,598 | None | 251,333 | 292 |
| Totals of reported figures | | | | | 5,384,797 | 291,213 | 1,861,800 | |

(Concluded)

| Reservoir statistics (average values) | | | | | | Remarks | Map No. |
|---|---|---|---|---|---|---|---|
| Depth feet | Net pay thickness feet | Porosity per cent | Permeability millidarcys | Oil gravity API | Oil viscosity centipoises | | |
| 1,900 | 20 | 19.7 | 304 | 32.5 | 6.3 @ 95°F. | *As of 6-1-52. Stopped injection early in 1952. Now disposal project. | 285 |
| 3,450 | 18 | — | — | — | | | 24 |
| 2,890 | 10 | — | — | — | | | 286 |
| 2,890 | 10 | — | — | — | | | 287 |
| 450 | 21.5 | 22.4 | 108 | 31.8 | 13.6 @ 65°F. | | 288 |
| 1,035 | 20 | 22.2 | 100 | 33 | 13.5 | | 161 |
| 950 | 10 | 20.1 | 93 | 36 | 12.5 @ Reservoir Temperature | | 289 |
| 1,010 | 15 | | | | | | |
| 1,346 | 40 | 16 | 11 | 30 | — | *As of 12-31-53. | 290 |
| 1,334 | — | — | — | — | — | | 183 |
| 464 | — | — | — | — | — | | 184 |
| 2,275 | — | — | — | — | — | | 190 |
| 2,900 | 7 | — | — | 38 | — | | 291 |
| 2,248 | 10 | — | — | 34.5 | — | *Abandoned after unsuccessful input well fracture treatment. | 292 |

TABLE 16.—ILLINOIS PRESSURE MAINTENANCE

| Map No. | General: Field | Operator | Project | Formation Sand(S), Lime(L) | County |
|---|---|---|---|---|---|
| 293 | Albion Consol. | Calvert | South Albion Lower Biehl | Biehl(S) | Edwards |
| 294 | Beaver Creek | Conrey & Conrey | Wrone | Benoist(S) | Bond |
| 295 | Bone Gap Consol. | Gallagher | — | Waltersburg(S) | Edwards |
| 32 | Boyd | Superior | Boyd Repressure* | Benoist(S) | Jefferson |
| 296 | Louden | Carter | Louden-Devonian | Devonian(L) | Fayette |
| 297 | Omaha | Carter | Omaha | Palestine(S) | Gallatin |
| 298 | Salem Consol. | Carter | Dix | Benoist(S) | Jefferson |

TABLE 16.—

| Map No. | Development of 12-31-55: No. of wells Inj. | No. of wells Prod. | Injection pattern | Productive acres: Subjected to inj. | Productive acres: Total | Injection water: Source | Injection water: Type | Injection water: Avg. wellhead pressure PSI |
|---|---|---|---|---|---|---|---|---|
| 293 | 2 | 7 | Peripheral | 60 | 119 | Produced | Brine | 950 |
| 294 | 1 | 4 | — | 40 | 50 | Benoist Sand | Brine | 610 |
| 295 | 1 | 11 | — | 40 | 120 | Produced | Brine | 450 |
| 32 | 4 | 85 | Peripheral | 1,564 | 1,564 | Surface & Produced | Fresh & Brine | — |
| 296 | 6 | 68 | Peripheral | 2,600 | 2,600 | Produced | Brine | 125 |
| 297 | 1 | 15 | Flank | 260 | 260 | Produced | Brine | 250 |
| 298 | 4 | 64 | Peripheral | 1,200 | 1,200 | Tar Springs & Produced | Brine | 120 |

PROJECTS USING WATER INJECTION DURING 1955

| Information | | | | Production and injection statistics (barrels) | | | | | | Map No. |
|---|---|---|---|---|---|---|---|---|---|---|
| Location | | | Date first injection | Water injection | | Oil production | | Water production | | |
| Section | Twp. | Rng. | | Total 1955 | Cumulative 12-31-55 | Total 1955 | Cumulative 12-31-55 | Total 1955 | Comulative 12-31-55 | |
| 35, 36 | 2S | 10E | April, 1951 | 211,041 | 594,321* | 63,717 | 486,551 | 186,666 | 517,419* | 293 |
| 1 | 3S | 10E | | | | | | | | |
| 36 | 4N | 3W | July, 1953 | 8,124 | 26,609 | 2,682 | 14,477 | 263 | — | 294 |
| 18 | 1S | 14W | June, 1952 | 196,853 | 542,789 | 33,396 | 258,800 | 196,853 | 542,789 | 295 |
| 13, 24, 25 | 1S | 1E | | | | | | | | |
| 18, 19, 20, 30 | 1S | 2E | June, 1945 | * | 9,714,450* | * | 9,776,513† | * | 10,865,715* | 32 |
| — | 8N | 3E | Sept., 1943 | 11,772,223 | 110,242,616 | 501,925 | 15,388,344 | 10,215,393 | 106,909,105 | 296 |
| 33 | 7S | 8E | Oct., 1944 | 157,090 | 1,052,777 | 85,608 | 1,807,828 | 123,009 | 1,119,405 | 297 |
| 4 | 8S | 8E | | | | | | | | |
| 3, 4, 9, 10, 15, 16 | 1S | 2E | Jan., 1948 | 875,059 | 3,724,891 | 397,411 | 7,556,555 | 357,740 | 3,486,188 | 298 |
| Totals of reported figures | | | | 13,220,390 | 126,898,453 | 1,084,739 | 35,289,068 | 11,079,924 | 123,440,621 | |

(Concluded)

| Reservoir statistics (average values) | | | | | | Remarks | Map No. |
|---|---|---|---|---|---|---|---|
| Depth feet | Net pay thickness feet | Porosity per cent | Permeability millidarcys | Oil gravity API | Oil viscosity centipoises | | |
| 2,080 | 9.2 | 16.8 | 384 | 32.3 | 10.4 @ 85°F. | *Since May 1952. | 293 |
| 1,140 | 8 | 20.7 | 208 | 32.4 | — | | 294 |
| 2,310 | 20 | 18 | 120 | 34.6 | 5.6 @ 85°F. | | 295 |
| 2,065 | 17.3 | 17.5 | 173 | 39.5 | 3.2 @ 90°F. | *Converted to water flood status 1-1-55.<br>†Includes Aux Vases production up to 1-1-55.<br>‡Includes both primary and any additional oil obtained by pressure maintenance. | 32 |
| 3,100 | — | — | — | 29 | 6.5 @ 96°F. | | 296 |
| 1,700 | 17 | 18.9 | 427 | 27 | 17 @ 76°F. | | 297 |
| 1,950 | 12 | 16.4 | 128 | 39 | 2.5 @ 87°F. | | 298 |

Illinois State Geological Survey Bulletin 81
195 p., 30 figs., 16 tables, 1957